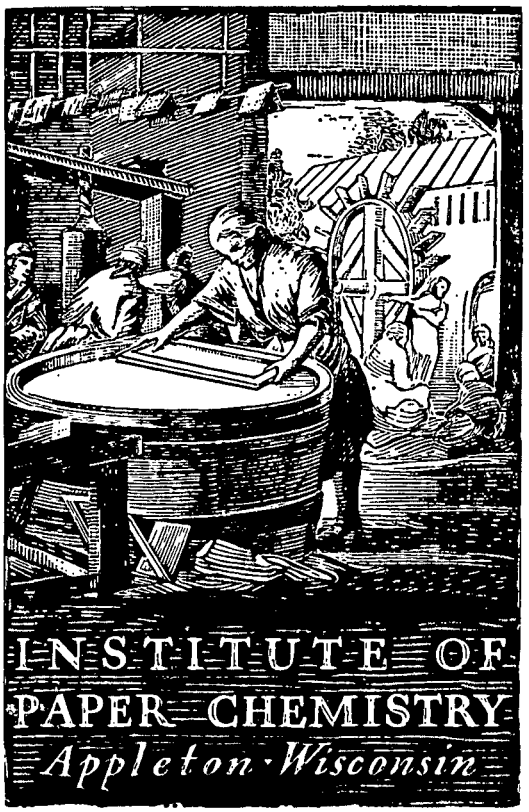

BASE-LINE

3rd Quarter, 1980

CONTINUOUS BASE-LINE STUDY (MODIFIED)
(MILL LINERBOARD DATA FOR JULY, AUGUST, SEPTEMBER, 1980)

Project 2694-1

Report Seventy-Seven
A Progress Report
to
FOURDRINIER KRAFT BOARD GROUP
of THE
AMERICAN PAPER INSTITUTE

December 1, 1980

GEORGIA-PACIFIC CORPORATION

Your machine is identified in this report by the following codes.

Mill	Machine #	Code
Toledo	1	Q1

BASE-LINE
3rd QUARTER, 1980

THE INSTITUTE OF PAPER CHEMISTRY

Appleton, Wisconsin

CONTINUOUS BASE-LINE STUDY (MODIFIED)
(MILL LINERBOARD DATA FOR JULY, AUGUST, SEPTEMBER, 1980)

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Report Seventy-Seven

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to

FOURDRINIER KRAFT BOARD GROUP

OF THE

AMERICAN PAPER INSTITUTE

December 1, 1980

TABLE OF CONTENTS

THE INSTITUTE OF PAPER CHEMISTRY

Appleton, Wisconsin

CONTINUOUS BASE-LINE STUDY (MODIFIED)
(MILL LINERBOARD DATA FOR JULY, AUGUST, SEPTEMBER, 1980)

SUMMARY

PART I: SUMMARY OF MOISTURE CONTENT DATA (JUNE-SEPTEMBER, 1980)

Linerboard Grade Wt.		Moisture Content			
		June	July	August	September
26 Lb	Max.[a]	6.1	6.2	6.2	6.2
	Min.[a]	3.4	3.0	3.4	3.1
	Av.[b]	5.0(12)	5.2(14)	4.8(12)	4.8(12)
33 Lb	Max.[a]	6.4	6.5	6.7	6.6
	Min.[a]	1.7	1.5	1.6	1.5
	Av.[b]	5.1(22)	5.0(21)	5.1(19)	5.1(25)
38 Lb	Max.[a]	6.5	6.5	6.4	6.2
	Min.[a]	4.6	4.3	4.5	4.3
	Av.[b]	5.6(18)	5.4(20)	5.4(21)	5.4(20)
42 Lb	Max.[a]	6.9	6.8	6.9	7.0
	Min.[a]	3.8	3.6	3.3	3.1
	Av.[b]	5.6(40)	5.5(40)	5.6(40)	5.6(42)
69 Lb	Max.[a]	7.8	7.9	7.7	7.7
	Min.[a]	5.0	4.5	5.0	4.2
	Av.[b]	6.4(25)	6.3(27)	6.3(28)	6.3(30)
90 Lb	Max.[a]	7.5	7.6	7.5	7.7
	Min.[a]	5.0	5.7	4.8	4.2
	Av.[b]	6.4(12)	6.5(11)	6.3(12)	6.4(13)

[a] Current machine average.
[b] Current F.K.B.G. average, number of machines is indicated in parentheses.

PART II: SUMMARY OF ADJUSTED BASIS WEIGHT DATA (JUNE-SEPTEMBER, 1980)

Linerboard Grade Wt.		Adjusted Basis Weight, lb/M ft^2 June	July	August	September
26 Lb	Max.[a]	27.4	27.1	27.3	27.3
	Min.[a]	26.1	26.0	26.1	26.1
	Av.[b]	26.5(12)	26.4(14)	26.5(12)	26.6(12)
33 Lb	Max.[a]	34.3	34.7	34.6	35.1
	Min.[a]	32.7	32.9	32.6	32.8
	Av.[b]	33.4(22)	33.4(21)	33.4(19)	33.5(25)
38 Lb	Max.[a]	39.6	39.8	40.3	40.0
	Min.[a]	37.9	37.0	38.0	37.5
	Av.[b]	38.4(18)	38.4(20)	38.6(21)	38.7(20)
42 Lb	Max.[a]	43.9	43.9	43.6	43.8
	Min.[a]	41.3	41.7	41.7	41.4
	Av.[b]	42.4(40)	42.4(40)	42.5(40)	42.5(42)
69 Lb	Max.[a]	71.0	71.3	71.2	71.2
	Min.[a]	68.3	68.0	67.6	68.4
	Av.[b]	69.4(25)	69.3(27)	69.4(28)	69.5(30)
90 Lb	Max.[a]	92.1	91.1	91.5	92.9
	Min.[a]	89.6	89.3	90.0	89.6
	Av.[b]	90.7(12)	90.4(11)	90.6(12)	90.7(13)

[a] Current machine average.
[b] Current F.K.B.G. average, number of machines is indicated in parentheses.

PART III: SUMMARY OF CALIPER DATA
(JUNE-SEPTEMBER, 1980)

Linerboard Grade Wt.		Caliper, pt. June	July	August	September
26 Lb	Max.[a]	9.1	9.0	8.9	9.0
	Min.[a]	7.5	7.4	7.5	7.4
	Av.[b]	8.2(12)	7.9(14)	8.0(12)	8.1(12)
33 Lb	Max.[a]	11.0	11.5	12.6	11.7
	Min.[a]	8.8	8.5	8.9	8.5
	Av.[b]	9.8(21)	9.8(20)	10.0(19)	10.0(24)
38 Lb	Max.[a]	12.0	13.1	11.7	11.8
	Min.[a]	10.0	9.6	9.7	9.7
	Av.[b]	11.0(16)	11.1(19)	10.9(19)	11.0(18)
42 Lb	Max.[a]	13.3	13.8	12.7	13.7
	Min.[a]	10.5	10.5	10.5	10.6
	Av.[b]	12.0(38)	12.0(38)	11.9(38)	12.0(40)
69 Lb	Max.[a]	21.0	21.5	21.3	21.8
	Min.[a]	17.3	17.9	18.5	17.9
	Av.[b]	19.5(24)	19.7(26)	19.6(26)	19.7(28)
90 Lb	Max.[a]	27.3	26.8	28.2	27.8
	Min.[a]	23.8	23.5	24.2	23.7
	Av.[b]	25.7(12)	25.0(11)	25.8(12)	25.6(13)

[a] Current machine average.
[b] Current F.K.B.G. average, number of machines is indicated in parentheses.

PART IV: SUMMARY OF BURSTING STRENGTH DATA (JUNE-SEPTEMBER, 1980)

Linerboard Grade Wt.		Bursting Strength, psig			
		June	July	August	September
26 Lb	Max.[a]	80	78	84	74
	Min.[a]	63	63	61	64
	Av.[b]	69(12)	70(14)	73(12)	70(12)
33 Lb	Max.[a]	96	96	91	100
	Min.[a]	73	73	74	76
	Av.[b]	84(22)	85(21)	84(19)	86(25)
38 Lb	Max.[a]	109	111	105	109
	Min.[a]	91	91	90	93
	Av.[b]	99(18)	98(20)	97(21)	98(20)
42 Lb	Max.[a]	115	118	124	117
	Min.[a]	96	97	97	97
	Av.[b]	104(40)	106(40)	105(40)	105(42)
69 Lb	Max.[a]	183	185	150	158
	Min.[a]	133	133	133	133
	Av.[b]	142(25)	143(27)	142(28)	142(30)
90 Lb	Max.[a]	179	182	180	175
	Min.[a]	155	162	156	157
	Av.[b]	166(12)	171(11)	169(12)	167(13)

[a] Current machine average.
[b] Current F.K.B.G. average, number of machines is indicated in parentheses.

INTRODUCTION

The continuous base-line study (modified) is a compilation of monthly averages of mill test data obtained routinely on six major grade weights of linerboard manufactured in the member mills of F.K.B.G. Mill data are included for moisture content, basis weight, caliper, and bursting strength tests made on the production of individual machines which produced at least 500 tons of one or more of the following six major grade weights during a given month: 26, 33, 38, 42, 69, and 90 lb. At the Institute, the as-reported basis weight, corresponding to the as-reported moisture content, is adjusted to a moisture content of 7.8%. Both the as-reported and the adjusted basis weight averages are included in the report. Note that the moisture content at the as-reported basis weight (not shown in tables) does not necessarily agree with the moisture content indicated in the report as measured at the reel. This is because some mills measure their basis weight at other than reel or standard conditions. The as-reported basis weight is included in the tables for reference only and should not be used for comparison purposes.

PRESENTATION OF DATA

For the six major grade weights of linerboard referred to earlier, mill test averages for moisture content, basis weight (reported and adjusted), caliper, and bursting strength are compiled in the following tables.

Table Number	Description
I-II-III	Mill Test Averages on 26-lb Linerboard
IV-V-VI	Mill Test Averages on 33-lb Linerboard
VII-VIII-IX	Mill Test Averages on 38-lb Linerboard
X-XI-XII	Mill Test Averages on 42-lb Linerboard
XIII-XIV-XV	Mill Test Averages on 69-lb Linerboard
XVI-XVII-XVIII	Mill Test Averages on 90-lb Linerboard

TABLE I

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 26 LB FOURDRINIER KRAFT LINERBOARD

JULY, 1980

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., *A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
D1		5.4				26.2				26.9				8.6				65		
E1	5.3	5.0	106.0	110.4	25.9	25.6	101.2	99.6	26.6	26.4	100.8	100.4	7.8	8.0	97.5	96.3	69	70	98.6	100.0
G1	4.1	4.3	95.3	85.4	25.9	26.2	98.8	99.6	26.9	27.2	98.9	101.5	7.6	7.7	98.7	93.8	72	70	102.8	104.3
J1	6.2	5.9	105.1	129.2	26.0	26.0	100.0	100.0	26.1	26.1	100.0	98.5	7.4	7.7	96.1	91.4	63	62	101.6	91.3
K1	6.2	6.2	100.0	129.2	26.3	25.7	102.3	101.2	26.7	26.2	101.9	100.8	8.6	8.7	98.8	106.2	78	78	100.0	113.0
M1		5.6				25.5				26.1				7.8				79		
N1	5.3	5.0	106.0	110.4	26.1	26.2	99.6	100.4	26.8	27.0	99.2	101.1	9.0	9.2	97.8	111.1	72	70	102.8	104.3
W1	5.2	5.0	104.0	108.3	25.5	25.6	99.6	98.1	26.2	26.4	99.2	98.9	7.9	8.0	98.8	97.5	71	68	104.4	102.9
X1		4.9				26.2				26.3				8.0				72		
Y1		2.7				25.5				26.9				7.9				76		
A2	5.4	5.2	103.8	112.5	26.0	26.1	99.6	100.0	26.1	26.2	99.6	98.5	8.4	8.4	100.0	103.7	73	69	105.8	105.8
B2		3.9				26.0				27.0				8.0				72		
C2		4.1				25.4				26.5				8.5				77		
D2		4.5				25.2				26.1				8.0				80		
E2	6.1	6.4	95.3	127.1	25.9	26.0	99.6	99.6	26.0	26.1	99.6	98.1	7.6	7.0	108.6	93.8	67	62	108.1	97.1
J2	4.3	4.2	102.4	89.6	26.2	26.8	97.8	100.8	26.3	26.8	98.1	99.2	7.9	8.2	96.3	97.5	67	67	100.0	97.1
K2	6.1	6.0	101.7	127.1	26.1	25.9	100.8	100.4	26.2	26.0	100.8	98.9	7.5	7.9	94.9	92.6	78	78	100.0	113.0
L2	3.0	3.3	90.9	62.5	26.2	26.1	100.4	100.8	26.3	26.2	100.4	99.2	7.8	8.1	96.3	96.3	71	74	95.9	102.9
M2		6.1				26.3				26.4				6.9				62		
N2	4.6	4.2	109.5	95.8	26.2	25.6	102.3	100.8	27.1	26.5	102.3	102.3	8.1	8.0	101.2	100.0	66	68	97.0	95.6
O2	5.7	6.0	95.0	118.8	26.3	26.2	100.4	101.2	26.9	26.7	100.7	101.5	7.8	7.9	98.7	96.3	63	63	100.0	91.3
Q2	5.2	4.0	130.0	108.3	26.1	26.3	99.2	100.4	26.2	26.4	99.2	98.9	7.8	7.9	98.7	96.3	72	71	101.4	104.3
V2		4.6				25.4				26.3				7.8				69		
Y2		4.8				26.0				26.8				8.8				64		
FKBG DATA																				
CUR. AV.	5.2				26.0				26.4				7.9				70			
CUM. AV.	4.8				26.0				26.5				8.1				69			
IND. *D	108.3				100.0				99.6				97.5				101.4			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE II

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 26 LB FOURDRINIER KRAFT LINERBOARD

AUGUST, 1980

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., *A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
		MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA		
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
D1		5.3				26.1				26.8				8.6				65		
E1	5.3	5.0	106.0	110.4	25.8	25.6	100.8	99.2	26.5	26.4	100.4	100.0	8.2	8.0	102.5	101.2	68	70	97.1	98.6
G1	4.0	4.2	95.2	83.3	26.0	26.1	99.6	100.0	27.1	27.1	100.0	102.3	7.7	7.7	100.0	95.1	78	71	109.8	113.0
J1	6.2	6.0	103.3	129.2	26.0	26.0	100.0	100.0	26.1	26.1	100.0	98.5	7.5	7.6	98.7	92.6	61	63	96.8	88.4
K1	5.5	6.2	88.7	114.6	25.7	25.8	99.6	98.8	26.3	26.3	100.0	99.2	8.9	8.7	102.3	109.9	84	78	107.7	121.7
M1		5.6				25.5				26.1				7.8				79		
N1	5.2	5.1	102.0	108.3	26.0	26.2	99.2	100.0	26.7	27.0	98.9	100.8	8.2	9.1	90.1	101.2	82	70	117.1	118.8
W1	5.2	5.0	104.0	108.3	25.8	25.6	100.8	99.2	26.5	26.4	100.4	100.0	8.0	8.0	100.0	98.8	69	68	101.5	100.0
X1		4.8				26.2				26.3				7.9				72		
Y1		2.7				25.4				26.8				7.9				77		
A2	4.9	5.2	94.2	102.1	26.1	26.1	100.0	100.4	26.2	26.2	100.0	98.9	8.2	8.4	97.6	101.2	74	69	107.2	107.2
X B2	4.5	3.4	132.4	93.8	25.9	25.9	100.0	99.6	26.8	27.1	98.9	101.1	7.7	7.5	102.7	95.1	76	68	111.8	110.1
C2		4.0				25.4				26.5				8.5				77		
D2		4.5				25.2				26.1				8.0				80		
E2		6.4				26.0				26.1				7.1				63		
J2	4.6	4.2	109.5	95.8	27.2	26.7	101.9	104.6	27.3	26.8	101.9	103.0	8.1	8.2	98.8	100.0	67	67	100.0	97.1
K2		6.0				26.0				26.1				7.7				78		
L2	3.4	3.3	103.0	70.8	26.3	26.1	100.8	101.2	26.4	26.2	100.8	99.6	8.1	8.1	100.0	100.0	71	73	97.3	102.9
M2		6.1				26.3				26.4				7.9				62		
N2	4.7	4.2	111.9	97.9	25.6	25.6	100.0	98.5	26.5	26.6	99.6	100.0	7.8	8.0	97.5	96.3	72	67	107.5	104.3
O2		5.9				26.2				26.7				7.9				63		
Q2	4.1	4.1	100.0	85.4	26.0	26.3	98.8	100.0	26.1	26.4	98.9	98.5	8.2	7.9	103.8	101.2	70	71	98.6	101.4
V2		4.7				25.4				26.3				7.7				69		
Y2		4.8				26.0				26.8				8.8				64		
FKBG DATA																				
CUR. AV.	4.8				26.0				26.5				8.0				73			
CUM. AV.	4.8				26.0				26.5				8.1				69			
IND. *D	100.0				100.0				100.0				98.8				105.8			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

marginal

TABLE III

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 26 LB FOURDRINIER KRAFT LINERBOARD

SEPTEMBER, 1980

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., *A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
D1		5.3				26.0				26.8				8.5				64		
E1	5.0	5.1	98.0	104.2	25.6	25.7	99.6	98.5	26.4	26.4	100.0	99.6	8.1	8.0	101.2	101.2	70	70	100.0	101.4
G1		4.2				26.1				27.1				7.8				73		
J1	6.2	6.0	103.3	129.2	26.1	26.0	100.4	100.4	26.2	26.1	100.4	98.9	7.4	7.6	97.4	92.5	64	62	103.2	92.8
K1		6.1				25.8				26.3				8.7				80		
M1	5.2			108.3	25.9			99.6	26.6			100.4	7.6			95.0	72			104.3
N1	5.0	5.1	98.0	104.2	26.2	26.2	100.0	100.8	27.0	27.0	100.0	101.9	9.0	9.0	100.0	112.5	72	71	101.4	104.3
W1	5.0	5.1	98.0	104.2	25.4	25.7	98.8	97.7	26.2	26.4	99.2	98.9	7.8	8.0	97.5	97.5	71	68	104.4	102.9
X1		4.8				26.2				26.3				7.9				72		
Y1		2.8				25.6				26.9				8.1				78		
A2	4.6	5.2	88.5	95.8	26.2	26.1	100.4	100.8	26.3	26.2	100.4	99.2	8.2	8.4	97.6	102.5	73	70	104.3	105.8
B2		4.0				25.9				27.0				7.6				72		
C2	3.1	4.0	77.5	64.6	24.9	25.4	98.0	95.8	26.2	26.4	99.2	98.9	8.2	8.4	97.6	102.5	74	76	97.4	107.2
D2		4.5				25.2				26.1				8.0				80		
E2		6.4				26.0				26.1				7.1				63		
J2	3.9	4.3	90.7	81.2	27.2	26.8	101.5	104.6	27.3	26.9	101.5	103.0	8.0	8.2	97.6	100.0	68	67	101.5	98.6
K2		6.0				26.0				26.1				7.7				78		
L2		3.4				26.1				26.2				8.1				73		
M2		6.1				26.3				26.4				6.9				62		
N2	4.5	4.3	104.6	93.8	25.7	25.6	100.4	98.8	26.6	26.6	100.0	100.4	7.8	8.0	97.5	97.5	70	68	102.9	101.4
O2	5.3	5.9	89.8	110.4	26.2	26.2	100.0	100.8	26.9	26.7	100.7	101.5	7.9	7.9	100.0	98.8	65	63	103.2	94.2
Q2	4.8	4.2	114.3	100.0	26.0	26.3	98.8	100.0	26.1	26.4	98.9	98.5	7.8	8.0	97.5	97.5	72	71	101.4	104.3
V2		4.7				25.4				26.3				7.7				69		
Y2	5.0	4.8	104.2	104.2	26.0	26.0	100.0	100.0	26.8	26.8	100.0	101.1	8.0	8.8	102.3	112.5	64	64	100.0	92.8
FKBG DATA																				
CUR. AV.	4.8				26.0				26.6				8.1				70			
CUM. AV.	4.8				26.0				26.5				8.0				69			
IND. *D	100.0				100.0				100.4				101.2				101.4			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE IV

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 33 LB FOURDRINIER KRAFT LINERBOARD

JULY, 1980

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., *A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
E1	5.4	5.5	98.2	108.0	32.5	32.6	99.7	99.1	33.3	33.4	99.7	99.4	10.0	10.4	96.2	101.0	82	84	97.6	97.6
G1	5.5	5.2	105.8	110.0	33.0	32.9	100.3	100.6	33.8	33.8	100.0	100.9	9.8	10.2	96.1	99.0	83	(78)	106.4	98.8
J1		5.9				32.9				33.0				9.8				84		
K1		5.0				32.0				33.0				10.8				102		
M1		4.8				32.3				33.4				9.8				95		
N1		5.3				33.0				33.9				10.4				86		
Q1	3.1	3.0	103.3	62.0	33.0	32.9	100.3	100.6	33.3	33.2	100.3	99.4	9.7	10.0	97.0	98.0	84	81	103.7	100.0
R1	5.9	5.8	101.7	116.0	33.2	33.2	100.0	101.2	33.3	33.3	100.0	99.4					(75)	85	92.9	94.0
V1		4.5				33.1				33.2				9.0				81		
W1	5.5	5.0	110.0	110.0	32.2	32.6	98.8	98.2	33.0	33.6	98.2	98.5	10.4	10.2	102.0	105.0	82	(80)	102.5	97.6
X1	4.9	5.0	98.0	98.0	33.2	33.1	100.3	101.2	33.3	33.2	100.3	99.4	9.8	9.8	100.0	96.0	85	86	98.8	101.2
Y1		3.0				32.0				33.6				9.7				92		
A2	5.9	5.9	100.0	118.0	33.0	33.0	100.0	100.6	33.1	33.1	100.0	98.8	10.0	9.9	101.0	101.0	84	81	103.7	100.0
B2	4.5	4.6	97.8	90.0	32.6	32.2	101.2	99.4	33.8	33.3	101.5	100.9	8.8	(9.0)	97.8	88.9	96	90	106.7	114.3
C2		5.0				32.4				33.4				11.0				89		
D2	5.5	5.7	96.5	110.0	32.1	32.1	100.0	97.9	32.9	32.9	100.0	98.2	9.2	9.5	96.6	92.9	95	88	108.0	113.1
E2		6.4				32.8				33.0				9.6				83		
G2	6.1	6.2	98.4	122.0	32.6	32.5	100.3	99.4	33.2	33.1	100.3	99.1	9.5	9.4	101.1	96.0	82	83	98.8	97.6
I2		5.5				33.5				33.8				9.8				90		
J2	5.0	4.6	108.7	100.0	32.8	33.5	97.9	100.0	32.9	33.6	97.9	98.2	10.2	10.4	98.1	103.0	80	(80)	100.0	95.2
K2		6.1				33.2				33.3				10.1				96		
L2	4.3	4.2	102.4	86.0	33.0	33.0	100.0	100.6	33.1	33.1	100.0	98.8	10.2	10.1	101.0	103.0	92	89	103.4	109.5
M2	6.5	6.4	101.6	130.0	33.0	33.2	99.4	100.6	33.1	33.2	99.7	98.8	8.5	(9.2)	92.4	85.8	84	83	101.2	100.0
N2	5.0	4.4	113.6	100.0	32.7	32.3	101.2	99.7	33.7	33.5	100.6	100.6	9.4	9.4	100.0	94.9	83	84	98.8	98.8
O2	5.5	6.1	90.2	110.0	33.5	33.6	99.7	102.1	34.3	(34.2)	100.3	102.4	9.8	10.0	98.0	96.0	79	(78)	101.3	94.0
P2	1.5	1.8	83.3	30.0	31.9	32.1	99.4	97.2	34.1	(34.2)	99.7	101.8	9.9	10.4	95.2	100.0	88	87	101.1	104.8
Q2	5.0	4.6	108.7	100.0	33.0	33.2	99.4	100.6	33.2	33.4	99.4	99.1	10.2	9.7	105.2	103.0	83	83	100.0	98.8
S2	4.6			92.0	32.6			99.4	33.7			100.6	9.3			93.9	96			114.3
U2	5.3	4.3	123.2	106.0	32.3	32.2	100.3	98.5	33.2	33.4	99.4	99.1	9.8	10.1	97.0	99.0	94	87	108.0	111.9
V2	5.4	5.2	103.8	108.0	32.4	32.6	99.4	98.8	33.2	33.5	99.1	99.1	9.8	9.8	100.0	99.0	84	81	103.7	100.0
Y2	5.3	5.3	100.0	106.0	33.8	33.3	101.5	103.0	34.7	(34.2)	101.5	103.6	11.5	11.0	104.5	116.2	73	(76)	96.0	86.9
Z2		2.2				32.2				(34.2)				9.6				90		

FKBG DATA																
CUR. AV.	5.0				32.8				33.4				9.8				85			
CUM. AV.	5.0				32.8				33.5				9.9				84			
IND. *D	100.0				100.0				99.7				99.0				101.2			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE V

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 33 LB FOURDRINIER KRAFT LINERBOARD

AUGUST, 1980

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., *A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
E1	5.7	5.5	103.6	114.0	32.4	32.6	99.4	98.8	33.1	33.4	99.1	98.8	10.0	10.3	97.1	101.0	79	83	95.2	94.0
G1	5.4	5.2	103.8	108.0	32.9	32.9	100.0	100.3	33.8	33.8	100.0	100.9	10.0	10.2	98.0	101.0	85	78	109.0	101.2
J1		5.9				32.9				33.0				9.8				84		
K1	5.2	5.0	104.0	104.0	32.1	32.0	100.3	97.9	33.0	33.0	100.0	98.5	9.3	10.8	86.1	93.9	91	102	89.2	108.3
M1		4.9				32.3				33.3				9.8				95		
N1	5.5	5.3	103.8	110.0	33.1	33.0	100.3	100.9	33.9	33.9	100.0	101.2	11.1	10.4	106.7	112.1	89	86	103.5	106.0
Q1	3.4	3.0	113.3	68.0	32.3	32.9	98.2	98.5	32.6	33.2	98.2	97.3	9.5	10.0	95.0	96.0	83	81	102.5	98.8
R1		5.8				33.2				33.3								85		
V1		4.5				33.1				33.2				9.0				81		
W1	5.6	5.1	109.8	112.0	32.5	32.6	99.7	99.1	33.3	33.5	99.4	99.4	10.4	10.2	102.0	105.0	80	80	100.0	95.2
X1	4.8	5.0	96.0	96.0	33.2	33.1	100.3	101.2	33.3	33.2	100.3	99.4	9.8	9.8	100.0	99.0	86	86	100.0	102.4
Y1		3.1				32.0				33.6				9.8				93		
A2	5.7	5.8	98.3	114.0	33.0	33.0	100.0	100.6	33.1	33.1	100.0	98.8	10.4	9.9	105.0	105.0	89	82	108.5	106.0
B2		4.6				32.2				33.4				8.9				90		
C2		5.0				32.4				33.4				11.0				89		
D2	5.4	5.6	96.4	108.0	32.1	32.1	100.0	97.9	32.9	32.9	100.0	98.2	9.7	9.4	103.2	98.0	85	89	95.5	101.2
E2		6.4				32.8				33.0				9.6				83		
G2	6.3	6.2	101.6	126.0	32.7	32.5	100.6	99.7	33.2	33.1	100.3	99.1	9.5	9.4	101.1	96.0	86	83	103.6	102.4
I2		5.5				33.5				33.8				9.8				90		
J2	4.7	4.7	100.0	94.0	34.5	33.4	103.3	105.2	34.6	33.5	103.3	103.3	10.2	10.4	98.1	103.0	82	80	102.5	97.6
K2		6.1				33.2				33.3				10.1				96		
L2		4.2				33.0				33.1				10.2				89		
M2	6.7	6.4	104.7	134.0	33.0	33.1	99.7	100.6	33.1	33.2	99.7	98.8	9.1	9.1	100.0	91.9	87	83	104.8	103.6
N2	4.5	4.5	100.0	90.0	32.3	32.4	99.7	98.5	33.5	33.5	100.0	100.0	9.6	9.4	102.1	97.0	89	84	106.0	106.0
O2	6.0	6.1	98.4	120.0	33.3	33.5	99.4	101.5	34.0	34.2	99.4	101.5	10.0	9.9	101.0	101.0	77	78	98.7	91.7
P2	1.6	1.7	94.1	32.0	32.0	32.1	99.7	97.6	34.1	34.2	99.7	101.8	10.1	10.4	97.1	102.0	84	87	96.6	100.0
Q2	4.8	4.6	104.3	96.0	33.0	33.2	99.4	100.6	33.2	33.4	99.4	99.1	10.3	9.7	106.2	104.0	81	83	97.6	96.4
S2		4.6				32.6				33.7				9.3				96		
U2	4.8	4.5	106.7	96.0	32.7	32.2	101.6	99.7	33.8	33.4	101.2	100.9	8.9	10.1	88.1	89.9	86	87	98.8	102.4
V2	5.4	5.2	103.8	108.0	32.7	32.6	100.3	99.7	33.6	33.4	100.6	100.3	10.0	9.8	102.0	101.0	81	82	98.8	96.4
Y2	5.0	5.3	94.3	100.0	32.6	33.4	97.6	99.4	33.6	34.2	98.2	100.3	12.6	11.0	114.5	127.3	74	76	97.4	88.1
Z2		2.2				32.3				34.3				9.7				91		
FKBG DATA																				
CUR. AV.	5.1				32.8				33.4				10.0				84			
CUM. AV.	5.0				32.8				33.5				9.9				84			
IND. *D	102.0				100.0				99.7				101.0				100.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE VI

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 33 LB FOURDRINIER KRAFT LINERBOARD

SEPTEMBER, 1980

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., *A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
E1	5.9	5.6	105.4	118.0	32.4	32.6	99.4	98.8	33.1	33.4	99.1	98.8	10.8	10.3	104.8	109.1	82	83	98.8	97.6
G1	5.3	5.3	100.0	106.0	32.7	32.9	99.4	99.7	33.6	33.8	99.4	100.3	9.8	10.2	96.1	99.0	85	79	107.6	101.2
H1	3.3			66.0	33.5			102.1	35.1			104.8	8.5			85.8	90			107.1
J1	6.2	5.9	105.1	124.0	33.2	32.9	100.9	101.2	33.3	33.0	100.9	99.4	9.7	9.8	99.0	98.0	83	84	98.8	98.8
K1	6.0	5.1	117.6	120.0	32.2	32.0	100.6	98.2	32.8	33.0	99.4	97.9	10.6	10.3	102.9	107.1	90	98	91.8	107.1
M1	5.3	5.0	106.0	106.0	32.6	32.3	100.9	99.4	33.5	33.3	100.6	100.0	9.9	9.8	101.0	100.0	88	95	92.6	104.8
N1	4.8	5.4	88.9	96.0	33.0	33.0	100.0	100.6	34.1	33.9	100.6	101.8	10.2	10.5	97.1	103.0	100	85	117.6	119.0
Q1		3.0				32.8				33.1				9.9				82		
R1	6.0	5.8	103.4	120.0	33.0	33.2	99.4	100.6	33.1	33.3	99.4	98.8					89	85	104.7	106.0
V1		4.5				33.1				33.2				9.0				81		
W1	5.2	5.2	100.0	104.0	32.1	32.6	98.5	97.9	33.0	33.5	98.5	98.5	10.5	10.2	102.9	106.1	82	80	102.5	97.6
X1	4.8	4.9	98.0	96.0	33.2	33.1	100.3	101.2	33.3	33.2	100.3	99.4	9.6	9.8	98.0	97.0	83	86	96.5	98.8
Y1		3.2				32.0				33.6				10.0				92		
A2	5.3	5.8	91.4	106.0	33.2	33.0	100.6	101.2	33.3	33.1	100.6	99.4	10.1	9.9	102.0	102.0	84	83	101.2	100.0
B2		4.6				32.2				33.4				8.9				90		
C2	4.9	5.0	98.0	98.0	32.1	32.4	99.1	97.9	33.1	33.4	99.1	98.8	11.2	10.9	102.8	113.1	86	89	96.6	102.4
D2	5.1	5.6	91.1	102.0	32.0	32.1	99.7	97.6	32.9	32.9	100.0	98.2	9.7	9.4	103.2	98.0	93	89	104.5	110.7
E2		6.6				33.0				33.1				9.5				83		
G2	6.2	6.2	100.0	124.0	32.7	32.6	100.3	99.7	33.3	33.1	100.6	99.4	9.5	9.4	101.1	96.0	86	83	103.6	102.4
I2	5.7	5.5	103.6	114.0	33.5	33.4	100.3	102.1	33.8	33.8	100.0	100.9	10.2	9.9	103.0	103.0	85	89	95.5	101.2
J2	4.2	4.7	89.4	84.0	33.9	33.5	101.2	103.4	34.0	33.6	101.2	101.5	10.1	10.4	97.1	102.0	85	80	106.2	101.2
K2	6.2	6.1	101.6	124.0	33.2	33.2	100.0	101.2	33.3	33.3	100.0	99.4	10.5	10.1	104.0	106.1	90	96	93.8	107.1
L2		4.2				33.0				33.1				10.2				89		
M2	6.6	6.5	101.5	132.0	33.0	33.1	99.7	100.6	33.1	33.2	99.7	98.8	8.7	9.0	96.7	87.9	85	83	102.4	101.2
N2	4.8	4.5	106.7	96.0	32.4	32.3	100.3	98.8	33.5	33.5	100.0	100.0	9.5	9.4	101.1	96.0	85	84	101.2	101.2
O2	5.5	6.0	91.7	110.0	33.7	33.5	100.6	102.7	34.5	34.1	101.2	103.0	9.9	10.0	99.0	100.0	80	78	102.6	95.2
P2	1.5	1.7	88.2	30.0	31.8	32.1	99.1	97.0	34.0	34.2	99.4	101.5	10.0	10.4	96.2	101.0	92	86	107.0	109.5
Q2	4.5	4.7	95.7	90.0	33.0	33.2	99.4	100.6	33.2	33.4	99.4	99.1	10.1	9.8	103.1	102.0	86	83	103.6	102.4
S2		4.6				32.6				33.7				9.3				96		
U2	4.9	4.6	106.5	98.0	32.8	32.3	101.5	100.0	33.8	33.4	101.2	100.9	9.5	9.9	96.0	96.0	90	87	103.4	107.1
V2	5.3	5.3	100.0	106.0	32.6	32.6	100.0	99.4	33.5	33.5	100.0	100.0	10.0	9.9	101.0	101.0	82	82	100.0	97.6
Y2	4.6	5.2	88.5	92.0	32.5	33.3	97.6	99.1	33.6	33.2	98.2	100.3	11.7	11.1	105.4	118.2	76	76	100.0	90.5
Z2		2.2				32.3				34.3				9.7				91		

FKBG DATA																				
CUR. AV.	5.1				32.8				33.5				10.0				86			
CUM. AV.	5.0				32.8				33.5				9.9				84			
IND. *D	102.0				100.0				100.0				101.0				102.4			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE VII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 38 LB FOURDRINIER KRAFT LINERBOARD

JULY, 1980

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., *A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
		MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA		
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
C1		4.0				36.7				38.2				11.0				102		
G1		4.8				37.6				38.8				11.3				88		
I1	6.1	5.9	103.4	115.1	37.7	37.6	100.3	99.7	38.4	38.4	100.0	100.0	10.7	11.2	95.5	98.2	92	93	98.9	94.8
K1	5.6			105.7	37.1			98.1	38.0			99.0	11.4			104.6	109			112.4
M1	4.8	4.9	98.0	90.6	37.4	37.2	100.5	98.9	38.6	38.4	100.5	100.5	11.3	11.2	100.9	103.7	100	101	99.0	103.1
N1	5.3	5.1	103.9	100.0	38.1	38.0	100.3	100.8	39.1	39.1	100.0	101.8	13.1	11.6	112.9	120.2	96	98	98.0	99.0
O1		4.6				37.4				38.8				9.6				97		
R1	6.3	5.8	108.6	118.9	38.0	38.2	99.5	100.5	38.1	38.3	99.5	99.2					91	94	96.8	93.8
T1		6.6				38.0				38.1				10.4				95		
V1		5.2				38.2				38.4				10.2				96		
W1	5.7	5.2	109.6	107.5	37.4	37.4	100.0	98.9	38.3	38.5	99.5	99.7	11.3	11.5	98.3	103.7	94	91	103.3	96.9
X1	5.1	5.2	98.1	96.2	38.2	38.2	100.0	101.0	38.3	38.3	100.0	99.7	11.1	11.1	100.0	101.8	99	99	100.0	102.1
A2	6.5	6.4	101.6	122.6	37.9	38.0	99.7	100.3	38.0	38.0	100.0	99.0	11.3	11.1	101.8	103.7	91	92	98.9	93.8
B2	4.7	5.1	92.2	88.7	37.0	37.2	99.5	97.9	38.3	38.3	100.0	99.7	10.4	10.4	100.0	95.4	100	100	100.0	103.1
C2	6.2	5.8	106.9	117.0	37.8	37.6	100.5	100.0	38.4	38.5	99.7	100.0	11.3	11.0	102.7	103.7	98	103	95.1	101.0
D2	5.9	6.2	95.2	111.3	37.4	37.3	100.3	98.9	38.2	37.9	100.8	99.5	11.3	11.2	100.9	103.7	111	100	111.0	114.4
F2	4.3	5.0	86.0	81.1	39.7	39.2	101.3	105.0	39.8	39.3	101.3	103.6	11.2	11.3	99.1	102.8	95	96	99.0	97.9
G2		6.6				37.1				37.6				11.0				91		
I2	5.7	5.6	101.8	107.5	38.4	38.4	100.0	101.6	38.7	38.7	100.0	100.8	10.9	10.7	101.9	100.0	97	98	99.0	100.0
J2	5.1	4.7	108.5	96.2	36.9	38.8	95.1	97.6	37.0	38.9	95.1	96.4	11.0	11.5	95.6	100.9	95	95	100.0	97.9
L2	5.2	5.0	104.0	98.1	38.1	38.1	100.0	100.8	38.2	38.2	100.0	99.5	11.4	11.4	100.0	104.6	101	102	99.0	104.1
N2	5.2	5.2	100.0	98.1	37.7	37.5	100.5	99.7	38.8	38.5	100.8	101.0	10.8	11.0	98.2	99.1	96	96	100.0	99.0
P2		4.6				38.3				39.6				12.0				95		
Q2	5.1	4.9	104.1	96.2	38.0	38.1	99.7	100.5	38.2	38.3	99.7	99.5	11.4	11.1	102.7	104.6	95	94	101.1	97.9
S2	5.3	5.7	93.0	100.0	37.4	37.6	99.5	98.9	38.4	38.4	100.0	100.0	9.6	10.4	92.3	88.1	105	100	105.0	108.2
U2	5.6	5.7	98.2	105.7	37.3	37.5	99.5	98.7	38.2	38.4	99.5	99.5	10.3	10.8	95.4	94.5	103	100	103.0	106.2
V2		5.8				37.7				38.5				11.3				95		
W2	4.9	4.7	104.2	92.4	38.0	38.2	99.5	100.5	38.1	38.3	99.5	99.2	11.1	10.1	109.9	101.8	102	102	100.0	105.2
Z2		5.3				38.5				39.5				11.9				96		
FKBG DATA																				
CUR. AV.	5.4				37.8				38.4				11.1				98			
CUM. AV.	5.3				37.8				38.4				10.9				97			
IND. *D	101.9				100.0				100.0				101.8				101.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE VIII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 38 LB FOURDRINIER KRAFT LINERBOARD

AUGUST, 1980

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., *A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
C1		4.0				36.7				38.2				11.0				102		
G1		4.8				37.6				38.8				11.3				88		
H1	4.5			84.9	38.7			102.4	40.1			104.4	9.7			88.2	104			107.2
I1	6.1	5.9	103.4	115.1	37.9	37.6	100.8	100.3	38.6	38.4	100.5	100.5	11.2	11.2	100.0	101.8	96	93	103.2	99.0
K1		5.6				37.1				38.0				11.4				109		
M1	4.9	5.0	98.0	92.4	37.5	37.2	100.8	99.2	38.7	38.4	100.8	100.8	11.3	11.2	100.9	102.7	100	101	99.0	103.1
N1		5.2				38.0				39.1				11.8				98		
O1		4.6				37.4				38.8				9.6				97		
R1	6.2	5.9	105.1	117.0	37.9	38.2	99.2	100.3	38.0	38.3	99.2	99.0					90	94	95.7	92.8
T1		6.6				38.0				38.1				10.4				95		
V1	5.1	5.2	98.1	96.2	38.6	38.2	101.0	102.1	38.7	38.3	101.0	100.8		10.2			101	96	105.2	104.1
W1	5.3	5.2	101.9	100.0	37.4	37.4	100.0	98.9	38.4	38.5	99.7	100.0	11.3	11.4	99.1	102.7	95	91	104.4	97.9
X1	4.8	5.2	92.3	90.6	38.3	38.2	100.3	101.3	38.4	38.3	100.3	100.0	10.6	11.1	95.5	96.4	96	99	97.0	99.0
A2	5.8	6.4	90.6	109.4	37.9	38.0	99.7	100.3	38.0	38.0	100.0	99.0	11.3	11.2	100.9	102.7	93	92	101.1	95.9
B2	4.9	5.1	96.1	92.4	37.3	37.2	100.3	98.7	38.5	38.3	100.5	100.3	10.3	10.3	100.0	93.6	99	100	99.0	102.1
C2	6.0	5.8	103.4	113.2	37.7	37.6	100.3	99.7	38.5	38.4	100.3	100.3	10.7	11.0	97.3	97.3	104	102	102.0	107.2
D2	5.9	6.1	96.7	111.3	37.3	37.3	100.0	98.7	38.1	38.0	100.3	99.2	10.9	11.2	97.3	99.1	105	101	104.0	108.2
F2	5.3	4.9	108.2	100.0	39.3	39.3	100.0	104.0	39.4	39.4	100.0	102.6	11.0	11.4	96.5	100.0	96	96	100.0	99.0
G2	6.4	6.6	97.0	120.8	37.4	37.1	100.8	98.9	38.0	37.6	101.1	99.0	10.9	11.0	99.1	99.1	92	91	101.1	94.8
I2		5.6				38.4				38.7				10.8				98		
J2	4.8	4.8	100.0	90.6	39.1	38.4	101.8	103.4	39.2	38.5	101.8	102.1	11.0	11.4	96.5	100.0	96	95	101.0	99.0
L2	5.6	5.1	109.8	105.7	37.9	38.1	99.5	100.3	38.0	38.2	99.5	99.0	11.1	11.4	97.4	100.9	103	102	101.0	106.2
N2	5.5	5.2	105.8	103.8	37.5	37.5	100.0	99.2	38.4	38.6	99.5	100.0	11.3	11.0	102.7	102.7	98	96	102.1	101.0
P2	5.7	4.6	123.9	107.5	39.4	38.3	102.9	104.2	40.3	39.6	101.8	104.9	11.7	12.0	97.5	106.4	92	95	96.8	94.8
Q2	4.7	4.9	95.9	88.7	38.0	38.1	99.7	100.5	38.2	38.3	99.7	99.5	11.0	11.2	98.2	100.0	94	95	98.9	96.9
S2	6.0	5.7	105.3	113.2	37.7	37.6	100.3	99.7	38.5	38.4	100.3	100.3	10.0	10.3	97.1	96.9	99	100	99.0	102.1
U2	5.1	5.7	89.5	96.2	37.4	37.5	99.7	98.9	38.5	38.3	100.5	100.3	9.9	10.7	92.5	90.0	96	100	96.0	99.0
V2		5.8				37.7				38.5				11.3				95		
W2	5.0	4.7	106.4	94.3	38.2	38.2	100.0	101.0	38.3	38.3	100.0	99.7	11.3	10.2	110.8	102.7	96	103	93.2	99.0
Z2		5.3				38.5				39.5				11.9				96		
FKEG DATA																				
CUR. AV.	5.4				38.0				38.6				10.9				97			
CUM. AV.	5.3				37.8				38.4				11.0				97			
IND. *D	101.9				100.5				100.5				99.1				100.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE IX

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 38 LB FOURDRINIER KRAFT LINERBOARD

SEPTEMBER, 1980

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., *A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
		MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA		
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
C1		4.0				36.7				38.2				11.0				102		
G1	5.3	4.8	110.4	98.1	37.6	37.6	100.0	99.2	38.6	38.8	99.5	100.5	11.2	11.3	99.1	101.8	98	88	111.4	101.0
H1	4.7	4.5	104.4	87.0	38.7	38.7	100.0	102.1	40.0	40.1	99.8	104.2	9.9	9.7	102.1	90.0	97	104	93.3	100.0
I1	5.6	6.0	93.3	103.7	38.5	37.6	102.4	101.6	39.4	38.4	102.6	102.6	11.3	11.2	100.9	102.7	93	93	100.0	95.9
K1		5.6				37.1				38.0				11.4				109		
M1	5.3	5.0	106.0	98.1	37.6	37.2	101.1	99.2	38.6	38.4	100.5	100.5	11.3	11.2	100.9	102.7	99	101	98.0	102.1
N1	4.9	5.3	92.4	90.7	38.1	38.1	100.0	100.5	39.3	39.1	100.5	102.3	11.8	11.7	100.8	107.3	109	99	110.1	112.4
O1		4.6				37.4				38.8				9.6				97		
R1	6.2	5.9	105.1	114.8	38.0	38.2	99.5	100.3	38.1	38.3	99.5	99.2					94	94	100.0	96.9
T1		6.6				38.0				38.1				10.4				95		
V1	5.0	5.2	96.2	92.6	38.4	38.3	100.3	101.3	38.5	38.4	100.3	100.3		10.2			99	96	103.1	102.1
W1		5.3				37.5				38.5				11.4				92		
X1	4.7	5.2	90.4	87.0	38.3	38.2	100.3	101.0	38.4	38.3	100.3	100.0	10.7	11.0	97.3	97.3	98	99	99.0	101.0
A2	5.9	6.4	92.2	109.2	38.0	38.0	100.0	100.3	38.1	38.0	100.3	99.2	11.2	11.2	100.0	101.8	94	92	102.2	96.9
B2		5.0				37.2				38.3				10.3				99		
C2	6.0	5.7	105.3	111.1	37.7	37.6	100.3	99.5	38.5	38.5	100.0	100.3	11.2	10.9	102.8	101.8	95	102	93.1	97.9
D2	6.1	6.0	101.7	113.0	36.8	37.3	98.6	97.1	37.5	38.0	98.7	97.6	11.1	11.1	100.0	100.9	103	102	101.0	106.2
F2	5.9	4.9	120.4	109.2	39.5	39.3	100.5	104.2	39.6	39.4	100.5	103.1	11.3	11.3	100.0	102.7	96	96	100.0	99.0
G2		6.5				37.2				37.8				11.0				92		
I2	5.5	5.6	98.2	101.8	38.4	38.4	100.0	101.3	38.7	38.7	100.0	100.8	11.1	10.8	102.8	100.9	95	98	96.9	97.9
J2	4.3	4.8	89.6	79.6	39.8	38.5	103.4	105.0	39.9	38.6	103.4	103.9	11.2	11.3	99.1	101.8	95	95	100.0	97.9
L2		5.1				38.1				38.2				11.4				102		
N2	5.5	5.2	105.8	101.8	37.6	37.5	100.3	99.2	38.5	38.5	100.0	100.3	11.0	11.0	100.0	100.0	98	96	102.1	101.0
P2		5.2				38.8				40.0				11.8				94		
Q2	4.9	5.0	98.0	90.7	38.0	38.1	99.7	100.3	38.2	38.3	99.7	99.5	11.3	11.2	100.9	102.7	97	95	102.1	100.0
S2	5.8	5.7	101.8	107.4	37.7	37.6	100.3	99.5	38.5	38.5	100.0	100.3	9.7	10.3	94.2	88.2	100	100	100.0	103.1
U2	5.0	5.7	87.7	92.6	37.2	37.5	99.2	98.2	38.3	38.4	99.7	99.7	10.3	10.6	97.2	93.6	97	100	97.0	100.0
V2		5.8				37.7				38.5				11.3				95		
W2	5.5	4.8	114.6	101.8	38.3	38.2	100.3	101.0	38.4	38.3	100.3	100.0	10.5	10.4	101.0	95.4	95	102	93.1	97.9
Z2		5.3				38.5				39.5				11.9				96		
D3	5.3			98.1	38.3			101.0	38.4			100.0	11.7			106.4	102			105.2

FKBG DATA

CUR. AV.	5.4				38.1				38.7				11.0				98			
CUM. AV.	5.4				37.9				38.4				11.0				97			
IND. *C	100.0				100.5				100.8				100.0				101.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE X

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 42 LB FOURDRINIER KRAFT LINERBOARD

JULY, 1980

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., *A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1	6.1	6.3	96.8	108.9	41.5	41.4	100.2	100.0	42.2	42.1	100.2	99.5	10.8	11.9	90.8	90.0	112	107	104.7	107.7
B1	3.7	3.4	108.8	66.1	41.1	41.3	99.5	99.0	42.9	43.3	99.1	101.2	12.7	12.4	102.4	105.8	111	106	104.7	106.7
→ C1	4.7	4.8	97.9	83.9	40.9	40.9	100.0	98.6	42.3	42.2	100.2	99.8	12.1	12.2	99.2	100.8	118	109	108.2	113.5
F1	6.2	6.3	98.4	110.7	41.5	41.6	99.8	100.0	42.2	42.3	99.8	99.5	11.2	11.4	98.2	98.3	103	102	101.0	99.0
G1	5.8	5.4	107.4	103.6	41.6	41.8	99.5	100.2	42.5	42.8	99.3	100.2	12.0	12.4	96.8	100.0	98	96	102.1	94.2
H1	4.8	4.4	109.1	85.7	42.2	41.4	101.9	101.7	43.6	42.9	101.6	102.8	11.1	11.5	96.5	92.5	106	115	92.2	101.9
I1	5.8	6.0	96.7	103.6	41.4	41.6	99.5	99.8	42.3	42.4	99.8	99.8	11.6	12.1	95.9	96.7	102	101	101.0	98.1
K1		5.1				41.1				42.2				12.1				114		
L1	5.0	5.0	100.0	89.3	41.5	41.6	99.8	100.0	42.7	42.9	99.5	100.7	11.1	11.5	96.5	92.5	106	107	99.1	101.9
M1	5.3	5.2	101.9	94.6	41.3	41.1	100.5	99.5	42.4	42.2	100.5	100.0	12.2	12.2	100.0	101.7	107	107	100.0	102.9
O1	5.2	5.5	94.5	92.8	41.3	41.3	100.0	99.5	42.5	42.4	100.2	100.2	10.5	10.8	97.2	97.5	110	108	101.8	105.8
Q1	3.6	3.6	100.0	64.3	41.3	42.0	98.3	99.5	41.7	42.4	98.3	98.3	12.4	12.8	96.9	103.3	102	100	102.0	98.1
R1	6.1	5.9	103.4	108.9	42.0	42.0	100.0	101.2	42.1	42.1	100.0	99.3					101	103	98.0	97.1
S1	6.0	4.7	127.6	107.1	42.0	42.3	99.3	101.2	42.2	42.5	99.3	99.5	12.0	11.9	100.8	100.0	107	106	100.9	102.9
T1	6.8	6.8	100.0	121.4	42.0	42.0	100.0	101.2	42.1	42.1	100.0	99.3	11.8	11.5	102.6	98.3	102	101	101.0	98.1
U1		5.4				41.6				42.7				12.2				105		
V1	5.6	5.8	96.6	100.0	42.5	42.1	101.0	102.4	42.6	42.2	100.9	100.5		11.7			112	103	108.7	107.7
W1	5.4	5.1	105.9	96.4	41.2	41.2	100.0	99.3	42.3	42.4	99.8	99.8	12.5	12.5	100.0	104.2	102	100	102.0	98.1
X1	5.2	5.4	96.3	92.8	42.2	42.1	100.2	101.7	42.3	42.2	100.2	99.8	12.3	12.3	100.0	102.5	105	105	100.0	101.0
Y1		3.6				41.0				42.8				11.5				112		
Z1	5.1	5.2	98.1	91.1	42.4	42.6	99.5	102.2	42.8	43.0	99.5	100.9	12.0	12.4	96.8	100.0	112	110	101.8	107.7
A2		6.5				41.9				42.0				11.9				103		
B2	4.9	5.2	94.2	87.5	41.0	41.2	99.5	98.8	42.3	42.3	100.0	99.8	12.0	11.5	104.3	100.0	107	106	100.9	102.9
→ C2	6.7	6.6	101.5	119.6	42.1	41.9	100.5	101.4	42.6	42.4	100.5	100.5	11.9	12.3	96.7	99.2	110	109	100.9	105.8
D2	6.3	6.5	96.9	112.5	41.0	41.2	99.5	98.8	41.7	41.8	99.8	98.3	12.2	12.3	99.2	101.7	110	107	102.8	105.8
F2	5.4	5.4	100.0	96.4	42.6	42.5	100.2	102.6	42.7	42.6	100.2	100.7	12.1	12.2	99.2	100.8	105	104	101.0	101.0
G2	6.7	6.7	100.0	119.6	41.6	41.6	100.0	100.2	42.1	42.1	100.0	99.3	12.0	11.8	101.7	100.0	99	99	100.0	95.2
H2	6.0	5.5	109.1	107.1	41.5	41.6	99.8	100.0	42.3	42.6	99.3	99.8	12.4	12.1	102.5	103.3	97	96	101.0	93.3
I2	6.0	5.8	103.4	107.1	42.4	42.3	100.2	102.2	42.8	42.7	100.2	100.9	12.2	11.9	102.5	101.7	106	108	98.1	101.9
J2	4.9	5.2	94.2	87.5	42.3	42.3	100.0	101.9	42.4	42.4	100.0	100.0	12.1	12.5	96.8	100.8	106	104	101.9	101.9
L2		5.9				42.0				42.1				12.7				107		
M2	6.6	6.5	101.5	117.8	42.0	42.1	99.8	101.2	42.1	42.2	99.8	99.3	11.0	11.4	96.5	91.7	106	101	105.0	101.9
N2	5.5	5.3	103.8	98.2	41.3	41.4	99.8	99.5	42.3	42.5	99.5	99.8	12.2	12.3	99.2	101.7	105	104	101.0	101.0
P2	5.5	5.6	98.2	98.2	41.5	41.5	100.0	100.0	42.5	42.5	100.0	100.2	12.9	13.0	99.2	107.5	101	102	99.0	97.1
Q2	5.3	5.0	106.0	94.6	42.0	42.0	100.0	101.2	42.2	42.2	100.0	99.5	12.5	11.8	105.9	104.2	108	106	101.9	103.8
R2	6.3	6.0	105.0	112.5	41.8	41.6	100.5	100.7	42.5	42.4	100.2	100.2	11.9	11.8	100.8	99.2	107	111	96.4	102.9
S2	6.7	6.2	108.1	119.6	41.6	41.4	100.5	100.2	42.1	42.2	99.8	99.3	10.9	11.3	96.5	90.8	106	106	100.0	101.9
T2	5.5			98.2	42.1			101.4	42.5			100.2	12.0			100.0	109			104.8
U2	6.2	6.0	103.3	110.7	41.8	41.6	100.5	100.7	42.5	42.4	100.2	100.2	11.7	11.8	99.2	97.5	108	107	100.9	103.8
V2	5.7	6.0	95.0	101.8	41.5	41.6	99.8	100.0	42.5	42.3	100.5	100.2	12.3	12.1	101.6	102.5	102	101	101.0	98.1
W2	4.8	4.8	100.0	85.7	42.0	42.0	100.0	101.2	42.1	42.1	100.0	99.3	11.8	11.4	103.5	98.3	107	109	98.2	102.9
Y2	4.3	5.6	76.8	76.8	41.9	41.9	100.0	101.0	43.5	42.9	101.4	102.6	13.3	13.4	99.2	110.8	97	98	99.0	93.3
Z2	5.3	5.7	93.0	94.6	41.4	41.6	99.5	99.8	42.5	42.6	99.8	100.2	12.1	12.5	96.8	100.8	106	103	102.9	101.9
B3	5.1	6.1	83.6	91.1	42.7	42.2	101.2	102.9	43.9	43.0	102.1	103.5	11.5	12.6	91.3	95.8	102	99	103.0	98.1
→ D3		5.8				42.0				42.0				13.0				106		
→ E3	5.4	5.4	100.0	96.4	41.3	41.2	100.2	99.5	42.4	42.3	100.2	100.0	13.8	11.8	116.9	115.0	111	107	103.7	106.7
FKBG DATA																				
CUR. AV.	5.5				41.7				42.4				12.0				106			
CUM. AV.	5.6				41.5				42.4				12.0				104			
IND. *D	98.2				100.5				100.0				100.0				101.9			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE X

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 42 LB FOURDRINIER KRAFT LINERBOARD

JULY, 1980

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., *A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1	6.1	6.3	96.8	108.9	41.5	41.4	100.2	100.0	42.2	42.1	100.2	99.5	10.8	11.9	90.8	90.0	112	107	104.7	107.7
B1	3.7	3.4	108.8	66.1	41.1	41.3	99.5	99.0	42.9	43.3	99.1	101.2	12.7	12.4	102.4	105.8	111	106	104.7	106.7
C1	4.7	5.0	94.0	83.9	40.9	41.0	99.8	98.6	42.3	42.2	100.2	99.8	12.1	12.2	99.2	100.8	118	108	109.2	113.5
F1	6.2	6.3	98.4	110.7	41.5	41.6	99.8	100.0	42.2	42.3	99.8	99.5	11.2	11.4	98.2	98.3	103	102	101.0	99.0
G1	5.8	5.4	107.4	103.6	41.6	41.8	99.5	100.2	42.5	42.8	99.3	100.2	12.0	12.4	96.8	100.0	98	96	102.1	94.2
H1	4.8	4.4	109.1	85.7	42.2	41.4	101.9	101.7	43.6	42.9	101.6	102.8	11.1	11.5	96.5	92.5	106	115	92.2	101.9
I1	5.8	6.0	96.7	103.6	41.4	41.6	99.5	99.8	42.3	42.4	99.8	99.8	11.6	12.1	95.9	96.7	102	101	101.0	98.1
K1		5.1				41.1				42.2				12.1				114		
L1	5.0	5.0	100.0	89.3	41.5	41.6	99.8	100.0	42.7	42.9	99.5	100.7	11.1	11.5	96.5	92.5	106	107	99.1	101.9
M1	5.3	5.2	101.9	94.6	41.3	41.1	100.5	99.5	42.4	42.2	100.5	100.0	12.2	12.2	100.0	101.7	107	107	100.0	102.9
O1	5.2	5.5	94.5	92.8	41.3	41.3	100.0	99.5	42.5	42.4	100.2	100.2	10.5	10.8	97.2	87.5	110	108	101.8	105.8
Q1	3.6	3.6	100.0	64.3	41.3	42.0	98.3	99.5	41.7	42.4	98.3	98.3	12.4	12.8	96.9	103.3	102	100	102.0	98.1
R1	6.1	5.9	103.4	108.9	42.0	42.0	100.0	101.2	42.1	42.1	100.0	99.3					101	103	98.0	97.1
S1	6.0	4.7	127.6	107.1	42.0	42.3	99.3	101.2	42.2	42.5	99.3	99.5	12.0	11.9	100.8	100.0	107	106	100.9	102.9
T1	6.8	6.8	100.0	121.4	42.0	42.0	100.0	101.2	42.1	42.1	100.0	99.3	11.8	11.5	102.6	98.3	102	101	101.0	98.1
U1		5.4				41.6				42.7				12.2				105		
V1	5.6	5.8	96.6	100.0	42.5	42.1	101.0	102.4	42.6	42.2	100.9	100.5		11.7			112	103	108.7	107.7
W1	5.4	5.1	105.9	96.4	41.2	41.2	100.0	99.3	42.3	42.4	99.8	99.8	12.5	12.5	100.0	104.2	102	100	102.0	98.1
X1	5.2	5.4	96.3	92.8	42.2	42.1	100.2	101.7	42.3	42.2	100.2	99.8	12.3	12.3	100.0	102.5	105	105	100.0	101.0
Y1		3.6				41.0				42.8				11.5				112		
Z1	5.1	5.2	98.1	91.1	42.4	42.6	99.5	102.2	42.8	43.0	99.5	100.9	12.0	12.4	96.8	100.0	112	110	101.8	107.7
A2		6.5				41.9				42.0				11.9				103		
B2	4.9	5.2	94.2	87.5	41.0	41.2	99.5	98.8	42.3	42.3	100.0	99.8	12.0	11.5	104.3	100.0	107	106	100.9	102.9
C2	6.7	6.6	101.5	119.6	42.1	41.8	100.7	101.4	42.6	42.4	100.5	100.5	11.9	12.4	96.0	99.2	110	109	100.9	105.8
D2	6.3	6.5	96.9	112.5	41.0	41.2	99.5	98.8	41.7	41.8	99.8	98.3	12.2	12.3	99.2	101.7	110	107	102.8	105.8
F2	5.4	5.4	100.0	96.4	42.6	42.5	100.2	102.6	42.7	42.6	100.2	100.7	12.1	12.2	99.2	100.8	105	104	101.0	101.0
G2	6.7	6.7	100.0	119.6	41.6	41.6	100.0	100.2	42.1	42.1	100.0	99.3	12.0	11.8	101.7	100.0	99	99	100.0	95.2
H2	6.0	5.5	109.1	107.1	41.5	41.6	99.8	100.0	42.3	42.6	99.3	99.8	12.4	12.1	102.5	103.3	97	96	101.0	93.3
I2	6.0	5.8	103.4	107.1	42.4	42.3	100.2	102.2	42.8	42.7	100.2	100.9	12.2	11.9	102.5	101.7	106	108	98.1	101.9
J2	4.9	5.2	94.2	87.5	42.3	42.3	100.0	101.9	42.4	42.4	100.0	100.0	12.1	12.5	96.8	100.8	106	104	101.9	101.9
L2		5.9				42.0				42.1				12.7				107		
M2	6.6	6.5	101.5	117.8	42.0	42.1	99.8	101.2	42.1	42.2	99.8	99.3	11.0	11.4	96.5	91.7	106	101	105.0	101.9
N2	5.5	5.3	103.8	98.2	41.3	41.4	99.8	99.5	42.3	42.5	99.5	99.8	12.2	12.3	99.2	101.7	105	104	101.0	101.0
P2	5.5	5.6	98.2	98.2	41.5	41.5	100.0	100.0	42.5	42.5	100.0	100.2	12.9	13.0	99.2	101.5	101	102	99.0	97.1
Q2	5.3	5.0	106.0	94.6	42.0	42.0	100.0	101.2	42.2	42.2	100.0	99.5	12.5	11.8	105.9	104.2	108	106	101.9	103.8
R2	6.3	6.0	105.0	112.5	41.8	41.6	100.5	100.7	42.5	42.4	100.2	100.2	11.9	11.8	100.8	99.2	107	111	96.4	102.9
S2	6.7	6.2	108.1	119.6	41.6	41.4	100.5	100.2	42.1	42.2	99.8	99.3	10.9	11.3	96.5	90.8	106	106	100.0	101.9
T2	5.5			98.2	42.1			101.4	42.5			100.2	12.0			100.0	109			104.8
U2	6.2	6.0	103.3	110.7	41.8	41.6	100.5	100.7	42.5	42.4	100.2	100.2	11.7	11.8	99.2	97.5	108	107	100.9	103.8
V2	5.7	6.0	95.0	101.8	41.5	41.6	99.8	100.0	42.5	42.3	100.5	100.2	12.3	12.1	101.6	102.5	102	101	101.0	98.1
W2	4.8	4.8	100.0	85.7	42.0	42.0	100.0	101.2	42.1	42.1	100.0	99.3	11.8	11.4	103.5	98.3	107	109	98.2	102.9
Y2	4.3	5.6	76.8	76.8	41.9	41.9	100.0	101.0	43.5	42.9	101.4	102.6	13.3	13.4	99.2	110.8	97	98	99.0	93.3
Z2	5.3	5.7	93.0	94.6	41.4	41.6	99.5	99.8	42.5	42.6	99.8	100.2	12.1	12.5	96.8	100.8	106	103	102.9	101.9
B3	5.1	6.1	83.6	91.1	42.7	42.2	101.2	102.9	43.9	43.0	102.1	103.5	11.5	12.6	91.3	95.8	102	99	103.0	98.1
D3		5.7				41.8				42.1				12.8				105		
E3	5.4	4.8	112.5	96.4	41.3	40.9	101.0	99.5	42.4	42.2	100.5	100.0	13.8	12.2	113.1	115.0	111	109	101.8	106.7
FKBG DATA																				
CUR. AV.	5.5				41.7				42.4				12.0				106			
CUM. AV.	5.6				41.5				42.4				12.0				104			
IND. *D	98.2				100.5				100.0				100.0				101.9			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XI

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 42 LB FOURDRINIER KRAFT LINERBOARD

AUGUST, 1980

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1		6.2				41.4				42.1				11.8				108		
B1	3.3	3.5	94.3	58.9	40.8	41.3	98.8	98.1	42.8	43.2	99.1	100.9	11.6	12.4	93.5	96.7	109	107	101.9	104.8
C1	5.1	5.0	102.0	91.1	40.9	41.0	99.8	98.3	42.1	42.3	99.5	99.3	12.4	12.2	101.6	103.3	124	109	113.8	119.2
F1	6.3	6.3	100.0	112.5	41.6	41.6	100.0	100.0	42.3	42.3	100.0	99.8	11.2	11.4	98.2	93.3	102	102	100.0	98.1
G1	5.9	5.5	107.3	105.4	41.7	41.7	100.0	100.2	42.6	42.7	99.8	100.5	12.4	12.4	100.0	103.3	98	96	102.1	94.2
H1	4.7	4.6	102.2	83.9	42.2	41.8	101.0	101.4	43.6	43.2	100.9	102.8	10.6	11.3	93.8	88.3	109	110	99.1	104.8
I1	6.2	6.0	103.3	110.7	41.8	41.6	100.5	100.5	42.5	42.4	100.2	100.2	11.7	12.0	97.5	97.5	103	101	102.0	99.0
K1	5.4	5.1	105.9	96.4	40.8	41.1	99.3	98.1	41.9	42.3	99.0	98.8	11.5	12.2	94.3	95.8	117	115	101.7	112.5
L1	4.9	5.0	98.0	87.5	41.6	41.6	100.0	100.0	42.9	42.9	100.0	101.2	11.6	11.5	100.9	96.7	106	106	100.0	101.9
M1	5.2	5.2	100.0	92.8	41.2	41.1	100.2	99.0	42.4	42.3	100.2	100.0	12.5	12.2	102.4	104.2	106	107	99.1	101.9
O1	5.1	5.5	92.7	91.1	42.2	41.3	102.2	101.4	43.4	42.4	102.4	102.4	10.5	10.8	97.2	87.5	116	109	106.4	111.5
Q1	3.8	3.6	105.6	67.8	41.3	42.0	98.3	99.3	41.7	42.4	98.3	98.3	12.7	12.8	99.2	105.8	100	100	100.0	96.2
R1	6.3	5.9	106.8	112.5	42.1	42.0	100.2	101.2	42.2	42.1	100.2	99.5					102	103	99.0	98.1
S1	5.6	4.9	114.3	100.0	41.9	42.2	99.3	100.7	42.1	42.4	99.3	99.3	12.2	11.9	102.5	101.7	106	106	100.0	101.9
T1	6.7	6.8	98.5	119.6	42.1	42.0	100.2	101.2	42.2	42.1	100.2	99.5	10.9	11.6	94.0	90.8	103	102	101.0	99.0
U1		5.4				41.6				42.7				12.2				105		
V1	5.7	5.8	98.3	101.8	42.2	42.2	100.0	101.4	42.3	42.2	100.2	99.8		11.7			109	104	104.8	104.8
W1	5.4	5.2	103.8	96.4	41.4	41.2	100.5	99.5	42.5	42.4	100.2	100.2	12.4	12.5	99.2	103.3	100	100	100.0	96.2
X1	5.4	5.3	101.9	96.4	42.1	42.1	100.0	101.2	42.2	42.2	100.0	99.5	12.2	12.3	99.2	101.7	105	105	100.0	101.0
Y1		3.7				41.0				42.8				11.5				113		
Z1		5.2				42.5				42.9				12.3				111		
A2	6.2	6.4	96.9	110.7	42.0	41.9	100.2	101.0	42.1	42.0	100.2	99.3	12.4	11.9	104.2	103.3	105	103	101.9	101.0
B2	4.9	5.1	96.1	87.5	41.2	41.1	100.2	99.0	42.5	42.3	100.5	100.2	11.8	11.5	102.6	98.3	103	106	97.2	99.0
C2	6.5	6.6	98.5	116.1	41.6	41.8	99.5	100.0	42.2	42.4	99.5	99.5	11.9	12.3	96.7	99.2	110	109	100.9	105.8
D2	5.9	6.5	90.8	105.4	41.1	41.2	99.8	98.8	42.0	41.8	100.5	99.0	12.2	12.3	99.2	101.7	108	108	100.0	103.8
F2	5.3	5.4	98.1	94.6	42.6	42.5	100.2	102.4	42.7	42.6	100.2	100.7	12.1	12.2	99.2	100.8	105	104	101.0	101.0
G2	6.6	6.8	97.0	117.8	41.7	41.6	100.2	100.2	42.2	42.1	100.2	99.5	12.0	11.8	101.7	100.0	100	99	101.0	96.2
H2	5.8	5.6	103.6	103.6	41.1	41.5	99.0	98.8	42.0	42.5	98.8	99.0	12.3	12.1	101.6	102.5	97	96	101.0	93.3
I2	5.6	5.8	96.6	100.0	42.3	42.3	100.0	101.7	42.7	42.7	100.0	100.7	12.3	11.9	103.4	102.5	108	108	100.0	103.8
J2	4.9	5.1	96.1	87.5	43.3	42.3	102.4	104.1	43.4	42.4	102.4	102.4	12.3	12.4	99.2	102.5	103	105	98.1	99.0
L2		5.9				42.0				42.1				12.7				107		
M2	6.9	6.6	104.5	123.2	42.0	42.1	99.8	101.0	42.1	42.2	99.8	99.3	11.3	11.4	99.1	94.2	105	101	104.0	101.0
N2	5.7	5.3	107.5	101.8	41.4	41.4	100.0	99.5	42.4	42.5	99.8	100.0	12.4	12.3	100.8	103.3	108	104	103.8	103.8
P2	5.8	5.5	105.4	103.6	41.6	41.5	100.2	100.0	42.5	42.5	100.0	100.2	12.7	13.0	97.7	105.8	100	102	98.0	96.2
Q2	5.1	5.0	102.0	91.1	42.0	42.0	100.0	101.0	42.2	42.2	100.0	99.5	11.6	11.9	97.5	96.7	104	106	98.1	100.0
R2	6.4	6.0	106.7	114.3	41.8	41.6	100.5	100.5	42.4	42.4	100.0	100.0	12.5	11.8	105.9	104.2	107	110	97.3	102.9
S2	6.8	6.2	109.7	121.4	41.8	41.5	100.7	100.5	42.3	42.2	100.2	99.8	11.4	11.3	100.9	99.0	104	106	98.1	100.0
T2	5.4	5.5	98.2	96.4	42.3	42.1	100.5	101.7	42.7	42.5	100.5	100.7	11.6	12.0	96.7	96.7	105	109	96.3	101.0
U2	5.9	6.0	98.3	105.4	41.9	41.6	100.7	100.7	42.8	42.4	100.9	100.9	11.0	11.7	94.0	91.7	106	107	99.1	101.9
V2	6.2	6.1	101.6	110.7	41.3	41.6	99.3	99.3	42.0	42.4	99.0	99.0	11.7	12.1	96.7	97.5	102	101	101.0	98.1
W2	5.0	4.8	104.2	89.3	42.0	42.0	100.0	101.0	42.1	42.1	100.0	99.3	12.2	11.4	107.0	101.7	105	109	96.3	101.0
Y2	4.4	5.5	80.0	78.6	41.8	41.9	99.8	100.5	43.3	43.0	100.7	102.1	12.5	13.4	93.3	104.2	97	98	99.0	93.3
Z2	5.5	5.7	96.5	98.2	41.5	41.6	99.8	99.8	42.5	42.6	99.8	100.2	11.8	12.5	94.4	98.3	102	103	99.0	98.1
B3	5.5	6.0	91.7	98.2	42.4	42.2	100.5	101.9	43.5	43.0	101.2	102.6	12.5	12.5	100.0	104.2	102	99	103.0	98.1
D3		5.7				41.8				42.1				12.8				105		
E3	4.9	4.9	100.0	87.5	41.1	40.9	100.5	98.8	42.4	42.2	100.5	100.0	11.6	12.4	93.5	96.7	115	109	105.5	110.6

FKBG DATA

CUR. AV.	5.6				41.7				42.5				11.9				105			
CUM. AV.	5.6				41.6				42.4				12.0				104			
IND. *D	100.0				100.2				100.2				99.2				101.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XI

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 42 LB FOURDRINIER KRAFT LINERBOARD

AUGUST, 1980

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., *A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
		MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA		
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1		6.2				41.4				42.1				11.8				108		
B1	3.3	3.5	94.3	58.9	40.8	41.3	98.8	98.1	42.8	43.2	99.1	100.9	11.6	12.4	93.5	96.7	109	107	101.9	104.8
→ C1	5.1	4.8	106.2	91.1	40.9	40.9	100.0	98.3	42.1	42.2	99.8	99.3	12.4	12.2	101.6	103.3	124	110	112.7	119.2
F1	6.3	6.3	100.0	112.5	41.6	41.6	100.0	100.0	42.3	42.3	100.0	99.8	11.2	11.4	98.2	93.3	102	102	100.0	98.1
G1	5.9	5.5	107.3	105.4	41.7	41.7	100.0	100.2	42.6	42.7	99.8	100.5	12.4	12.4	100.0	103.3	98	96	102.1	94.2
H1	4.7	4.6	102.2	83.9	42.2	41.8	101.0	101.4	43.6	43.2	100.9	102.8	10.6	11.3	93.8	88.3	109	110	99.1	104.8
I1	6.2	6.0	103.3	110.7	41.8	41.6	100.5	100.5	42.5	42.4	100.2	100.2	11.7	12.0	97.5	97.5	103	101	102.0	99.0
K1	5.4	5.1	105.9	96.4	40.8	41.1	99.3	98.1	41.9	42.3	99.0	98.8	11.5	12.2	94.3	95.8	117	115	101.7	112.5
L1	4.9	5.0	98.0	87.5	41.6	41.6	100.0	100.0	42.9	42.9	100.0	101.2	11.6	11.5	100.9	96.7	106	106	100.0	101.9
M1	5.2	5.2	100.0	92.8	41.2	41.1	100.2	99.0	42.4	42.3	100.2	100.0	12.5	12.2	102.4	104.2	106	107	99.1	101.9
O1	5.1	5.5	92.7	91.1	42.2	41.3	102.2	101.4	43.4	42.4	102.4	102.4	10.5	10.8	97.2	87.5	116	109	106.4	111.5
Q1	3.8	3.6	105.6	67.8	41.3	42.0	98.3	99.3	41.7	42.4	98.3	98.3	12.7	12.8	99.2	105.8	100	100	100.0	96.2
R1	6.3	5.9	106.8	112.5	42.1	42.0	100.2	101.2	42.2	42.1	100.2	99.5					102	103	99.0	98.1
S1	5.6	4.9	114.3	100.0	41.9	42.2	99.3	100.7	42.1	42.4	99.3	99.3	12.2	11.9	102.5	101.7	106	106	100.0	101.9
T1	6.7	6.8	98.5	119.6	42.1	42.0	100.2	101.2	42.2	42.1	100.2	99.5	10.9	11.6	94.0	90.8	103	102	101.0	99.0
U1		5.4				41.6				42.7				12.2				105		
V1	5.7	5.8	98.3	101.8	42.2	42.2	100.0	101.4	42.3	42.2	100.2	99.8		11.7			109	104	104.8	104.8
W1	5.4	5.2	103.8	96.4	41.4	41.2	100.5	99.5	42.5	42.4	100.2	100.2	12.4	12.5	99.2	103.3	100	100	100.0	96.2
X1	5.4	5.3	101.9	96.4	42.1	42.1	100.0	101.2	42.2	42.2	100.0	99.5	12.2	12.3	99.2	101.7	105	105	100.0	101.0
Y1		3.7				41.0				42.8				11.5				113		
Z1		5.2				42.5				42.9				12.3				111		
A2	6.2	6.4	96.9	110.7	42.0	41.9	100.2	101.0	42.1	42.0	100.2	99.3	12.4	11.9	104.2	103.3	105	103	101.9	101.0
B2	4.9	5.1	96.1	87.5	41.2	41.1	100.2	99.0	42.5	42.3	100.5	100.2	11.8	11.5	102.6	98.3	103	106	97.2	99.0
→ C2	6.5	6.6	98.5	116.1	41.6	41.9	99.3	100.0	42.2	42.4	99.5	99.5	11.9	12.2	97.5	99.2	110	109	100.9	105.8
D2	5.9	6.5	90.8	105.4	41.1	41.2	99.8	98.8	42.0	41.8	100.5	99.0	12.2	12.3	99.2	101.7	108	108	100.0	103.8
F2	5.3	5.4	98.1	94.6	42.6	42.5	100.2	102.4	42.7	42.6	100.2	100.7	12.1	12.2	99.2	100.8	105	104	101.0	101.0
G2	6.6	6.8	97.0	117.8	41.7	41.6	100.2	100.2	42.2	42.1	100.2	99.5	12.0	11.8	101.7	100.0	100	99	101.0	96.2
H2	5.8	5.6	103.6	103.6	41.1	41.5	99.0	98.8	42.0	42.5	98.8	99.0	12.3	12.1	101.6	102.5	97	96	101.0	93.3
I2	5.6	5.8	96.6	100.0	42.3	42.3	100.0	101.7	42.7	42.7	100.0	100.7	12.3	11.9	103.4	102.5	108	108	100.0	103.8
J2	4.9	5.1	96.1	87.5	43.3	42.3	102.4	104.1	43.4	42.4	102.4	102.4	12.3	12.4	99.2	102.5	103	105	98.1	99.0
L2		5.9				42.0				42.1				12.7				107		
M2	6.9	6.6	104.5	123.2	42.0	42.1	99.8	101.0	42.1	42.2	99.8	99.3	11.3	11.4	99.1	94.2	105	101	104.0	101.0
N2	5.7	5.3	107.5	101.8	41.4	41.4	100.0	99.5	42.4	42.5	99.8	100.0	12.4	12.3	100.8	103.3	108	104	103.8	103.8
P2	5.8	5.5	105.4	103.6	41.6	41.5	100.2	100.0	42.5	42.5	100.0	100.2	12.7	13.0	97.7	105.8	100	102	98.0	96.2
Q2	5.1	5.0	102.0	91.1	42.0	42.0	100.0	101.0	42.2	42.2	100.0	99.5	11.6	11.9	97.5	96.7	104	106	98.1	100.0
R2	6.4	6.0	106.7	114.3	41.8	41.6	100.5	100.5	42.4	42.4	100.0	100.0	12.5	11.8	105.9	104.2	107	110	97.3	102.9
S2	6.8	6.2	109.7	121.4	41.8	41.5	100.7	100.5	42.3	42.2	100.2	99.8	11.4	11.3	100.9	95.0	104	106	98.1	100.0
T2	5.4	5.5	98.2	96.4	42.3	42.1	100.5	101.7	42.7	42.5	100.5	100.7	11.6	12.0	96.7	96.7	105	109	96.3	101.0
U2	5.9	6.0	98.3	105.4	41.9	41.6	100.7	100.7	42.8	42.4	100.9	100.9	11.0	11.7	94.0	91.7	106	107	99.1	101.9
V2	6.2	6.1	101.6	110.7	41.3	41.6	99.3	99.3	42.0	42.4	99.0	99.0	11.7	12.1	96.7	97.5	102	101	101.0	98.1
W2	5.0	4.8	104.2	89.3	42.0	42.0	100.0	101.0	42.1	42.1	100.0	99.3	12.2	11.4	107.0	101.7	105	109	96.3	101.0
Y2	4.4	5.5	80.0	78.6	41.8	41.9	99.8	100.5	43.3	43.0	100.7	102.1	12.5	13.4	93.3	104.2	97	98	99.0	93.3
Z2	5.5	5.7	96.5	98.2	41.5	41.6	99.8	99.8	42.5	42.6	99.8	100.2	11.8	12.5	94.4	98.3	102	103	99.0	98.1
B3	5.5	6.0	91.7	98.2	42.4	42.2	100.5	101.9	43.5	43.0	101.2	102.6	12.5	12.5	100.0	104.2	102	99	103.0	98.1
→ D3		5.8				41.9				42.0				13.0				105		
→ E3	4.9	5.4	90.7	87.5	41.1	41.2	99.8	98.8	42.4	42.3	100.2	100.0	11.6	12.0	96.7	96.7	115	108	106.5	110.6
FKBG DATA																				
CUR. AV.	5.6				41.7				42.5				11.9				105			
CUM. AV.	5.6				41.6				42.4				12.0				104			
IND. *D	100.0				100.2				100.2				99.2				101.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 42 LB FOURDRINIER KRAFT LINERBOARD

JUNE, 1980

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., *A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1	5.8	5.6	103.6	103.6	42.0	42.0	100.0	101.2	42.1	42.1	100.0	99.3	12.8	12.6	101.6	106.7	109	108	100.9	104.8
B1	5.4	5.6	96.4	96.4	41.4	41.5	99.8	99.8	42.5	42.5	100.0	100.2	13.0	13.0	100.0	108.3	101	103	98.0	97.1
C1	4.3	5.7	75.4	76.8	41.4	42.0	98.6	99.8	43.0	42.9	100.2	101.4	13.3	13.4	99.2	110.8	97	98	99.0	93.3
D1	6.4	6.0	106.7	114.3	42.1	41.6	101.2	101.4	42.7	42.4	100.7	100.7	12.1	12.1	100.0	100.8	102	101	101.0	98.1
E1	5.5	4.9	112.2	98.2	42.0	42.1	99.8	101.2	42.2	42.3	99.8	99.5	12.1	11.8	102.5	100.8	106	106	100.0	101.9
F1	3.8	3.6	105.6	67.8	41.3	42.1	98.1	99.5	41.7	42.5	98.1	98.3	12.4	12.9	96.1	103.3	99	100	99.0	95.2
G1	5.2	5.2	100.0	92.8	41.2	42.6	96.7	99.3	41.3	42.7	96.7	97.4	12.3	12.5	98.4	102.5	104	104	100.0	100.0
H1	5.7	5.8	98.3	101.8	42.3	42.1	100.5	101.9	42.4	42.2	100.5	100.0		11.7			102	103	99.0	98.1
→ I1	5.4	5.5	98.2	96.4	41.2	41.2	100.0	99.3	42.3	42.2	100.2	99.8	12.2	11.7	104.3	101.7	105	107	98.1	101.0
J1	5.0	4.9	102.0	89.3	40.9	40.9	100.0	98.6	42.1	42.2	99.8	99.3	12.4	12.2	101.6	103.3	111	110	100.9	106.7
→ K1	6.7	6.6	101.5	119.6	42.1	41.8	100.7	101.4	42.6	42.4	100.5	100.5	11.8	12.4	95.2	98.3	107	109	98.2	102.9
→ L1		5.7				41.9				42.0				12.8				105		
N1	6.9	6.8	101.5	123.2	42.0	42.0	100.0	101.2	42.1	42.1	100.0	99.3	11.6	11.6	100.0	96.7	101	102	99.0	97.1
O1	4.9	4.8	102.1	87.5	42.0	42.0	100.0	101.2	42.1	42.1	100.0	99.3	11.3	11.4	99.1	94.2	108	109	99.1	103.8
P1	5.4	5.4	100.0	96.4	42.1	42.1	100.0	101.4	42.2	42.2	100.0	99.5	12.2	12.3	99.2	101.7	106	105	101.0	101.9
Q1		5.1				41.1				42.2				12.1				114		
R1	5.8	5.7	101.8	103.6	42.3	42.3	100.0	101.9	42.7	42.7	100.0	100.7	12.3	11.9	103.4	102.5	108	108	100.0	103.8
S1	5.9	5.5	107.3	105.4	41.5	41.6	99.8	100.0	42.4	42.6	99.5	100.0	12.2	12.1	100.8	101.7	96	96	100.0	92.3
T1		3.4				41.2				43.2				12.4				107		
U1	6.7	6.5	103.1	119.6	41.9	42.1	99.5	101.0	42.0	42.2	99.5	99.0	11.4	11.4	100.0	95.0	102	101	101.0	98.1
W1	4.9	5.3	92.4	87.5	42.5	42.6	99.8	102.4	42.9	43.0	99.8	101.2	12.3	12.4	99.2	102.5	112	110	101.8	107.7
X1	6.9	6.5	106.2	123.2	41.2	41.2	100.0	99.3	41.6	41.8	99.5	98.1	11.8	12.4	95.2	98.3	111	107	103.7	106.7
Y1	5.8	6.0	96.7	103.6	41.5	41.6	99.8	100.0	42.4	42.4	100.0	100.0	12.0	12.1	99.2	100.0	102	101	101.0	98.1
A2	5.5	5.1	107.8	98.2	41.4	41.2	100.5	99.8	42.4	42.4	100.0	100.0	12.4	12.5	99.2	103.3	101	100	101.0	97.1
B2	6.2	5.8	106.9	110.7	42.0	42.0	100.0	101.2	42.1	42.1	100.0	99.3					103	103	100.0	99.0
C2	5.0	5.0	100.0	89.3	41.6	41.6	100.0	100.2	42.8	42.9	99.8	100.9	11.7	11.5	101.7	97.5	105	107	98.1	101.0
E2	5.6	5.7	98.2	100.0	41.5	41.6	99.8	100.0	42.5	42.6	99.8	100.2	12.5	12.5	100.0	104.2	104	103	101.0	100.0
F2	5.0	5.2	96.2	89.3	41.0	41.1	99.8	98.8	42.2	42.3	99.8	99.5	12.1	12.3	98.4	100.8	108	107	100.9	103.8
G2	6.3	6.2	101.6	112.5	41.6	41.6	100.0	100.2	42.3	42.3	100.0	99.8	11.1	11.4	97.4	92.5	102	102	100.0	98.1
H2	5.8	5.3	109.4	103.6	41.5	41.4	100.2	100.0	42.4	42.6	99.5	100.0	12.4	12.2	101.6	103.3	104	105	99.0	100.0
I2		5.1				41.9				43.1				12.3				117		
J2		5.3				41.6				42.8				11.7				106		
K2	5.3	6.2	85.5	94.6	42.7	42.2	101.2	102.9	43.9	42.9	102.3	103.5	11.9	12.7	93.7	99.2	101	99	102.0	97.1
L2	5.5	5.4	101.8	98.2	41.9	41.8	100.2	101.0	42.9	42.8	100.2	101.2	12.3	12.4	99.2	102.5	96	96	100.0	92.3
M2	5.1	5.5	92.7	91.1	41.2	41.3	99.8	99.3	42.4	42.4	100.0	100.0	10.5	10.8	97.2	87.5	106	108	98.1	101.9
O2	6.6	6.5	101.5	117.8	41.9	41.9	100.0	101.0	42.0	42.0	100.0	99.0	12.3	11.8	104.2	102.5	103	102	101.0	99.0
P2	6.3	6.2	101.6	112.5	41.6	41.3	100.7	100.2	42.3	42.0	100.7	99.8	11.1	12.2	91.0	92.5	109	107	101.9	104.8
Q2		5.9				41.8				41.8				12.1				104		
S2	5.4	5.3	101.9	96.4	42.5	42.5	100.0	102.4	42.6	42.6	100.0	100.5	12.4	12.1	102.5	103.3	103	105	98.1	99.0
T2	5.9	6.0	98.3	105.4	41.6	41.6	100.0	100.2	42.5	42.3	100.5	100.2	11.7	11.8	99.2	97.5	103	108	95.4	99.0
U2	5.6	4.6	121.7	100.0	42.0	42.3	99.3	101.2	42.2	42.5	99.3	99.5	11.8	12.0	98.3	98.3	107	106	100.9	102.9
V2	5.1	5.2	98.1	91.1	41.1	41.2	99.8	99.0	42.3	42.3	100.0	99.8	11.9	11.5	103.5	99.2	103	107	96.3	99.0
W2		3.6				40.9				42.8				11.5				111		
Y2	6.6	6.7	98.5	117.8	41.5	41.6	99.8	100.0	42.0	42.1	99.8	99.0	12.0	11.8	101.7	100.0	99	99	100.0	95.2
Z2	6.4	6.1	104.9	114.3	41.5	41.4	100.2	100.0	42.1	42.2	99.8	99.3	11.2	11.4	98.2	93.3	109	106	102.8	104.8
B3	6.2	6.0	103.3	110.7	41.6	41.6	100.0	100.2	42.3	42.4	99.8	99.8	11.5	11.8	97.4	95.8	110	111	99.1	105.8
D3	4.4			78.6	41.4			99.8	42.9			101.2	11.5			95.8	115			110.6
FKBG DATA																				
CUR. AV.	5.6				41.7				42.4				12.0				104			
CUM. AV.	5.6				41.5				42.4				12.0				104			
IND. *D	100.0				100.5				100.0				100.0				100.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 42 LB FOURDRINIER KRAFT LINERBOARD

SEPTEMBER, 1980

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., *A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1	6.2	6.2	100.0	110.7	41.0	41.4	99.0	98.6	41.7	42.1	99.0	98.3	11.4	11.8	96.6	95.0	109	108	100.9	104.8
B1	3.1	3.6	86.1	55.4	41.0	41.3	99.3	98.6	43.1	43.2	99.8	101.6	12.0	12.3	97.6	100.0	107	107	100.0	102.9
C1	5.1	5.1	100.0	91.1	40.9	41.0	99.8	98.3	42.1	42.2	99.8	99.3	12.8	12.2	104.9	106.7	117	111	105.4	112.5
F1	6.3	6.3	100.0	112.5	41.6	41.6	100.0	100.0	42.3	42.3	100.0	99.8	11.1	11.5	97.4	92.5	101	102	99.0	97.1
G1	5.7	5.6	101.8	101.8	41.5	41.7	99.5	99.8	42.5	42.7	99.5	100.2	12.4	12.4	100.0	103.3	98	96	102.1	94.2
H1	5.0	4.6	108.7	89.3	42.2	41.9	100.7	101.4	43.5	43.4	100.2	102.6	10.8	11.1	97.3	90.0	107	110	97.3	102.9
I1	5.5	6.0	91.7	98.2	41.8	41.6	100.5	100.5	42.8	42.4	100.9	100.9	11.9	12.0	99.2	99.2	102	101	101.0	98.1
K1		5.4				41.0				42.1				12.2				113		
L1	4.7	4.9	95.9	83.9	41.6	41.6	100.0	100.0	43.0	42.9	100.2	101.4	11.9	11.5	103.5	99.2	107	106	100.9	102.9
M1	6.0	5.2	115.4	107.1	41.5	41.1	101.0	99.8	42.3	42.3	100.0	99.8	12.5	12.2	102.4	104.2	107	108	99.1	102.9
O1	4.6	5.4	85.2	82.1	42.3	41.4	102.2	101.7	43.8	42.4	103.3	103.3	10.6	10.7	99.1	88.3	112	110	101.8	107.7
Q1	3.9	3.6	108.3	69.6	41.0	41.9	97.8	98.6	41.4	42.3	97.9	97.6	11.9	12.8	93.0	99.2	100	100	100.0	96.2
R1	6.1	5.9	103.4	108.9	42.0	42.0	100.0	101.0	42.1	42.1	100.0	99.3					102	103	99.0	98.1
S1	5.5	5.0	110.0	98.2	42.0	42.2	99.5	101.0	42.2	42.4	99.5	99.5	12.0	11.9	100.8	100.0	105	106	99.0	101.0
T1	6.8	6.8	100.0	121.4	42.1	42.0	100.2	101.2	42.2	42.1	100.2	99.5	11.3	11.8	97.4	94.2	100	102	98.0	96.2
U1		5.4				41.6				42.7				12.2				105		
V1	5.1	5.8	87.9	91.1	42.1	42.2	99.8	101.2	42.2	42.3	99.8	99.5		11.6			108	105	102.8	103.8
W1	5.3	5.2	101.9	94.6	41.3	41.2	100.2	99.3	42.4	42.4	100.0	100.0	12.3	12.5	98.4	102.5	101	100	101.0	97.1
X1	5.4	5.4	100.0	96.4	42.2	42.1	100.2	101.4	42.3	42.2	100.2	99.8	12.2	12.3	99.2	101.7	104	105	99.0	100.0
Y1		3.7				41.0				42.9				11.5				114		
Z1		5.2				42.5				42.9				12.3				111		
A2	6.4	6.4	100.0	114.3	42.0	41.9	100.2	101.0	42.1	42.0	100.2	99.3	12.3	12.0	102.5	102.5	105	103	101.9	101.0
B2	5.0	5.1	98.0	89.3	41.2	41.1	100.2	99.0	42.4	42.3	100.2	100.0	11.7	11.6	100.9	97.5	106	106	100.0	101.9
C2	6.7	6.6	101.5	119.6	41.8	41.8	100.0	100.5	42.3	42.4	99.8	99.8	12.1	12.2	99.2	100.8	109	109	100.0	104.8
D2	6.0	6.4	93.8	107.1	41.0	41.2	99.5	98.6	41.8	41.8	100.0	98.6	12.3	12.3	100.0	102.5	112	108	103.7	107.7
E2	7.0			125.0	42.0			101.0	42.1			99.3	11.5			95.8	106			101.9
F2	5.7	5.4	105.6	101.8	42.6	42.6	100.0	102.4	42.7	42.6	100.2	100.7	12.0	12.2	98.4	100.0	104	104	100.0	100.0
G2	6.6	6.7	98.5	117.8	41.7	41.6	100.2	100.2	42.2	42.1	100.2	99.5	12.0	11.8	101.7	100.0	99	99	100.0	95.2
H2	5.9	5.6	105.4	105.4	41.7	41.5	100.5	100.2	42.6	42.4	100.5	100.5	12.3	12.2	100.8	102.5	97	96	101.0	93.3
I2	5.6	5.8	96.6	100.0	42.4	42.3	100.2	101.9	42.8	42.7	100.2	100.9	12.1	12.0	100.8	100.8	108	108	100.0	103.8
J2	4.6	5.1	90.2	82.1	43.3	42.4	102.1	104.1	43.4	42.6	101.9	102.4	12.2	12.4	98.4	101.7	105	104	101.0	101.0
L2		5.9				42.0				42.1				12.7				107		
M2	6.7	6.6	101.5	119.6	42.1	42.1	100.0	101.2	42.2	42.2	100.0	99.5	11.5	11.4	100.9	95.8	103	101	102.0	99.0
N2	5.6	5.4	103.7	100.0	41.4	41.4	100.0	99.5	42.4	42.5	99.8	100.0	12.1	12.3	98.4	100.8	106	105	101.0	101.9
P2	5.8	5.6	103.6	103.6	41.6	41.5	100.2	100.0	42.5	42.5	100.0	100.2	12.7	13.0	97.7	105.8	102	102	100.0	98.1
Q2	5.0	5.0	100.0	89.3	41.9	42.0	99.8	100.7	42.1	42.2	99.8	99.3	11.7	11.9	98.3	97.5	107	106	100.9	102.9
R2	6.5	6.0	108.3	116.1	41.8	41.6	100.5	100.5	42.4	42.4	100.0	100.0	12.3	11.8	104.2	102.5	107	110	97.3	102.9
S2	6.6	6.3	104.8	117.8	41.6	41.5	100.2	100.0	42.1	42.2	99.8	99.3	10.8	11.2	96.4	90.0	104	106	98.1	100.0
T2	5.5	5.4	101.8	98.2	42.2	42.2	100.0	101.4	42.6	42.6	100.0	100.5	11.3	11.8	95.8	94.2	110	107	102.8	105.8
U2	5.9	6.0	98.3	105.4	41.7	41.6	100.2	100.2	42.6	42.4	100.5	100.5	11.7	11.6	100.9	97.5	104	107	97.2	100.0
V2	6.0	6.1	98.4	107.1	41.6	41.6	100.0	100.0	42.4	42.3	100.2	100.0	12.3	12.1	101.6	102.5	101	101	100.0	97.1
W2	5.2	4.8	108.3	92.8	42.4	42.0	101.0	101.9	42.5	42.1	101.0	100.2	11.4	11.5	99.1	95.0	104	103	95.4	100.0
Y2	5.3	5.4	98.1	94.6	41.7	41.9	99.5	100.2	42.8	43.0	99.5	100.9	13.7	13.3	103.0	114.2	97	98	99.0	93.3
Z2	5.9	5.6	105.4	105.4	41.7	41.6	100.2	100.2	42.6	42.6	100.0	100.5	12.6	12.5	100.8	105.0	105	103	101.9	101.0
B3	5.1	6.0	85.0	91.1	42.5	42.2	100.7	102.2	43.7	43.0	101.6	103.1	11.9	12.4	96.0	95.2	104	100	104.0	100.0
D3	5.6	5.5	101.8	100.0	42.0	41.7	100.7	101.0	42.1	42.2	99.8	99.3	13.4	12.9	103.9	111.7	105	106	99.0	101.0
E3	4.8	4.9	98.0	85.7	41.1	41.0	100.2	98.8	42.5	42.2	100.7	100.2	12.6	12.4	103.2	106.7	111	110	100.9	106.7
FKBG DATA																				
CUR. AV.	5.6				41.8				42.5				12.0				105			
CUM. AV.	5.6				41.6				42.4				12.0				104			
IND. *D	100.0				100.5				100.2				100.0				101.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XIII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 69 LB FOURDRINIER KRAFT LINERBOARD

JULY, 1980

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., *A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1	6.3	6.5	96.9	98.4	67.7	67.7	100.0	98.5	68.8	68.7	100.1	99.1	18.9	19.7	95.9	95.4	144	142	101.4	102.8
B1		4.0				67.6				70.4				20.4				140		
C1	4.6	4.8	95.8	71.9	66.9	67.2	99.6	97.4	69.2	69.3	99.8	99.7	20.8	20.4	102.0	105.0	143	141	101.4	102.1
F1	6.8	6.9	98.6	106.2	68.6	68.7	99.8	99.8	69.4	69.4	100.0	100.0	20.1	19.7	102.0	101.5	138	136	101.5	98.6
I1	7.3	7.5	97.3	114.1	68.6	69.0	99.4	99.8	68.9	69.2	99.6	99.3	19.2	20.7	92.8	97.0	139	138	100.7	99.3
L1	7.2	7.1	101.4	112.5	68.2	68.3	99.8	99.3	68.7	68.9	99.7	99.0	18.8	18.8	100.0	94.9	142	148	95.9	101.4
M1	5.9	5.8	101.7	92.2	68.1	68.1	100.0	99.1	69.5	69.6	99.8	100.1	20.2	20.2	100.0	102.0	146	141	103.5	104.3
O1	6.8	6.5	104.6	106.2	68.7	68.5	100.3	100.0	69.5	69.4	100.1	100.1	17.9	18.4	97.3	90.4	140	141	99.3	100.0
Q1	4.5	4.7	95.7	70.3	67.4	68.2	98.8	98.1	68.0	68.8	98.8	98.0	21.1	21.1	100.0	106.6	145	139	104.3	103.6
R1		6.0				69.2				69.4								143		
S1	5.8	5.4	107.4	90.6	69.0	69.0	100.0	100.4	69.3	69.4	99.8	99.8	19.1	18.9	101.0	96.5	142	141	100.7	101.4
T1	7.9	7.8	101.3	123.4	68.9	68.9	100.0	100.3	69.1	69.1	100.0	99.6	19.7	19.4	101.5	99.5	136	135	100.7	97.1
V1	6.0	6.8	88.2	93.8	68.9	69.0	99.8	100.3	69.1	69.2	99.8	99.6		19.0			136	139	97.8	97.1
X1	5.8	5.7	101.8	90.6	69.2	69.2	100.0	100.7	69.4	69.4	100.0	100.0	20.4	20.0	102.0	103.0	143	141	101.4	102.1
Y1		3.8				67.7				70.7				19.6				157		
Z1	6.1	6.1	100.0	95.3	69.4	69.5	99.8	101.0	70.0	70.1	99.8	100.9	18.9	20.2	93.6	95.4	145	142	102.1	103.6
C2	7.2	7.1	101.4	112.5	68.9	69.0	99.8	100.3	69.4	69.6	99.7	100.0	19.5	20.0	97.5	98.5	142	142	100.0	101.4
D2	6.6	6.7	98.5	103.1	67.8	68.0	99.7	98.7	68.7	68.8	99.8	99.0	21.3	20.8	102.4	107.6	148	144	102.8	105.7
F2	6.2	6.6	93.9	96.9	69.2	69.6	99.4	100.7	69.4	69.8	99.4	100.0	20.0	19.9	100.5	101.0	134	136	98.5	95.7
H2	6.9	6.9	100.0	107.8	68.6	69.1	99.3	99.8	69.3	69.8	99.3	99.8	19.6	19.9	98.5	99.0	135	139	100.0	96.4
I2	5.7	5.5	103.6	89.1	69.6	69.4	100.3	101.3	70.2	70.0	100.3	101.2	20.4	20.1	101.5	103.0	141	139	101.4	100.7
R2	6.9	6.3	109.5	107.8	68.8	68.5	100.4	100.1	69.5	69.6	99.8	100.1	21.0	20.5	102.4	106.1	140	140	100.0	100.0
S2	7.8	7.4	105.4	121.9	69.1	69.0	100.1	100.6	69.1	69.3	99.7	99.6	18.6	18.8	98.9	93.9	144	144	100.0	102.8
U2		6.2				68.3				69.4				20.0				145		
V2	6.1	6.4	95.3	95.3	68.4	68.6	99.7	99.6	69.6	69.6	100.0	100.3	21.3	20.6	103.4	107.6	139	136	102.2	99.3
W2	6.2	6.3	98.4	96.9	69.1	69.0	100.1	100.6	69.3	69.2	100.1	99.8	18.6	19.2	96.9	93.9	145	144	100.7	103.6
X2	6.0	5.6	107.1	93.8	67.7	68.2	99.3	98.5	69.1	69.8	99.0	99.6	18.9	18.7	101.1	95.4	147	140	105.0	105.0
Y2		5.6				68.1				69.7				22.7				130		
Z2	6.4	6.4	100.0	100.0	68.6	68.6	100.0	99.8	69.6	69.6	100.0	100.3	19.9	19.8	100.5	100.5	147	146	100.7	105.0
A3	6.6	6.6	100.0	103.1	69.1	68.9	100.3	100.6	69.7	69.5	100.3	100.4	18.0	17.9	100.6	90.9	185	176	105.1	132.1
B3	5.5	6.6	83.3	85.9	69.6	68.8	101.2	101.3	71.3	69.1	102.3	102.7	21.5	21.3	100.9	108.6	133	132	100.8	95.0
C3	5.9	5.6	105.4	92.2	67.7	68.6	98.7	98.5	69.1	70.2	98.4	99.6	19.5	20.0	97.5	98.5	150	144	104.2	107.1
D3		5.8				69.0				69.2				21.8				142		
FKBG DATA CUR. AV.	6.3				68.6				69.3				19.7				143			
CUM. AV.	6.4				68.7				69.4				19.8				140			
IND. *D	98.4				99.8				99.8				99.5				102.1			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XIV

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 69 LB FOURDRINIER KRAFT LINERBOARD

AUGUST, 1980

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., *A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1	6.3	6.5	96.9	98.4	67.8	67.7	100.1	98.7	68.9	68.7	100.3	99.3	19.2	19.5	98.5	97.0	143	143	100.0	101.4
B1		4.1				67.7				70.4				20.2				140		
C1	5.0	4.8	104.2	78.1	67.3	67.2	100.1	98.0	69.3	69.3	100.0	99.8	21.3	20.4	104.4	107.6	148	141	105.0	105.0
F1	6.8	6.9	98.6	106.2	68.6	68.8	99.7	99.8	69.4	69.5	99.8	100.0	19.1	19.7	97.0	96.5	140	136	102.9	99.3
I1	6.5	7.5	86.7	101.6	68.3	69.0	99.0	99.4	69.3	69.2	100.1	99.8	19.5	20.5	95.1	96.5	139	138	100.7	98.6
L1	7.1	7.1	100.0	110.9	68.3	68.3	100.0	99.4	68.8	68.8	100.0	99.1	19.0	18.8	101.1	96.0	146	148	98.6	103.5
M1	5.7	5.8	98.3	89.1	68.3	68.1	100.3	99.4	69.9	69.6	100.4	100.7	20.9	20.2	103.5	105.6	141	142	99.3	100.0
O1	6.5	6.6	98.5	101.6	69.2	68.5	101.0	100.7	70.2	69.4	101.2	101.2	18.5	18.3	101.1	93.4	142	141	100.7	100.7
P1	6.1			95.3	68.9			100.3	69.5			100.1	18.9			95.4	149			105.7
Q1	5.2	4.7	110.6	81.2	67.0	68.2	98.2	97.5	67.6	68.8	98.2	97.4	20.5	21.1	97.2	103.5	141	140	100.7	100.0
R1	6.1	6.0	101.7	95.3	68.8	69.2	99.4	100.1	69.0	69.4	99.4	99.4					141	143	98.6	100.0
S1	5.7	5.5	103.6	89.1	69.1	69.0	100.1	100.6	69.4	69.3	100.1	100.0	19.6	18.9	103.7	99.0	139	141	98.6	98.6
T1	7.7	7.8	98.7	120.3	68.7	68.9	99.7	100.0	68.9	69.1	99.7	99.3	18.6	19.4	95.9	93.9	138	135	102.2	97.9
V1	6.6	6.7	98.5	103.1	69.2	69.0	100.3	100.7	69.4	69.2	100.3	100.0		19.0			148	138	107.2	105.0
X1	5.9	5.7	103.5	92.2	69.3	69.2	100.1	100.9	69.5	69.4	100.1	100.1	20.1	20.0	100.5	101.5	141	141	100.0	100.0
Y1		3.4				67.5				70.7				19.6				156		
Z1	6.1	6.1	100.0	95.3	69.4	69.5	99.8	101.0	70.0	70.1	99.8	100.9	19.7	20.0	98.5	99.5	142	142	100.0	100.7
C2	7.1	7.1	100.0	110.9	69.1	69.0	100.1	100.6	69.7	69.6	100.1	100.4	19.6	19.9	98.5	99.0	143	142	100.7	101.4
D2	6.4	6.7	95.5	100.0	67.8	68.0	99.7	98.7	68.8	68.8	100.0	99.1	20.8	20.8	100.0	105.0	144	144	100.0	102.1
F2	6.3	6.6	95.4	98.4	69.5	69.6	99.8	101.2	69.7	69.8	99.8	100.4	19.7	20.0	98.5	99.5	137	136	100.7	97.2
H2	7.0	6.9	101.4	109.4	68.6	69.1	99.3	99.8	69.2	69.7	99.3	99.7	19.4	19.8	98.0	98.0	136	135	100.7	96.4
I2	5.7	5.6	101.8	89.1	69.5	69.5	100.0	101.2	70.1	70.1	100.0	101.0	20.2	20.2	100.0	102.0	142	140	101.4	100.7
R2	6.7	6.4	104.7	104.7	68.6	68.5	100.1	99.8	69.4	69.6	99.7	100.0	20.9	20.6	101.4	105.6	139	140	99.3	98.6
S2	7.4	7.4	100.0	115.6	69.0	69.0	100.0	100.4	69.3	69.2	100.1	99.8	18.6	18.7	99.5	93.9	142	144	98.6	100.7
U2		6.2				68.3				69.4				20.0				145		
V2	6.9	6.4	107.8	107.8	68.9	68.6	100.4	100.3	69.6	69.6	100.0	100.3	20.2	20.6	98.0	102.0	135	136	99.3	95.7
W2	6.3	6.3	100.0	98.4	69.0	69.0	100.0	100.4	69.2	69.2	100.0	99.7	18.5	19.1	96.8	93.4	138	144	95.8	97.9
X2	5.9	5.6	105.4	92.2	67.7	68.2	99.3	98.5	69.1	69.8	99.0	99.6	18.7	18.6	100.5	94.4	150	141	106.4	106.4
Y2		5.6				68.1				69.7				22.7				130		
Z2	6.3	6.4	98.4	98.4	68.5	68.6	99.8	99.7	69.6	69.6	100.0	100.3	19.3	19.8	97.5	97.5	150	146	102.7	106.4
A3		6.6				69.0				69.6				17.9				178		
B3	5.2	6.5	80.0	81.2	69.3	68.9	100.6	100.9	71.2	69.9	101.8	102.6	20.6	21.2	97.2	104.0	133	132	100.8	94.3
C3	6.2	5.6	110.7	96.9	68.6	68.5	100.1	99.8	69.8	70.1	99.6	100.6	19.5	19.9	98.0	98.5	149	145	102.8	105.7
D3		5.8				68.9				69.1				22.1				143		
FKBG DATA																				
CUR. AV.	6.3				68.6				69.4				19.6				142			
CUM. AV.	6.4				68.7				69.4				19.8				141			
IND. *D	98.4				99.8				100.0				99.0				100.7			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XV

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 69 LB FOURDRINIER KRAFT LINERBOARD

SEPTEMBER, 1980

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., *A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1	6.5	6.4	101.6	101.6	67.7	67.7	100.0	98.5	68.6	68.7	99.8	98.8	18.9	19.4	97.4	95.4	141	142	99.3	100.0
B1	4.2	4.2	100.0	65.6	68.0	67.8	100.3	99.0	70.7	70.4	100.4	101.9	21.6	20.4	105.9	109.1	142	138	102.9	100.7
C1	5.1	4.8	106.2	79.7	67.3	67.2	100.1	98.0	69.3	69.3	100.0	99.8	21.2	20.6	102.9	107.1	149	141	105.7	105.7
F1	6.9	6.9	100.0	107.8	68.7	68.8	99.8	100.0	69.4	69.4	100.0	100.0	19.2	19.7	97.5	97.0	135	137	98.5	95.7
I1	6.5	7.4	87.8	101.6	68.9	68.9	100.0	100.3	69.9	69.2	101.0	100.7	19.4	20.3	95.6	98.0	138	138	100.0	97.9
L1	7.0	7.1	98.6	109.4	68.6	68.3	100.4	99.8	69.2	68.8	100.6	99.7	18.6	18.8	98.9	93.9	146	147	99.3	103.5
M1	6.2	5.8	106.9	96.9	68.2	68.1	100.1	99.3	69.4	69.6	99.7	100.0	20.4	20.2	101.0	103.0	142	142	100.0	100.7
O1	6.3	6.6	95.4	98.4	69.2	68.6	100.9	100.7	70.3	69.5	101.2	101.3	17.9	18.3	97.8	90.4	138	141	97.9	97.9
P1		6.1				68.9				69.5				18.9				149		
Q1	4.7	4.7	100.0	73.4	67.8	68.1	99.6	98.7	68.4	68.7	99.6	98.6	20.3	21.1	96.2	102.5	142	140	101.4	100.7
R1	6.1	6.0	101.7	95.3	69.0	69.1	99.8	100.4	69.2	69.3	99.8	99.7					143	142	100.7	101.4
S1	5.9	5.6	105.4	92.2	69.0	69.0	100.0	100.4	69.3	69.3	100.0	99.8	19.0	19.0	100.0	96.0	141	141	100.0	100.0
T1	7.7	7.8	98.7	120.3	68.9	68.9	100.0	100.3	69.1	69.0	100.1	99.6	19.1	19.3	99.0	96.5	136	135	100.7	96.4
V1	5.7	6.7	85.1	89.1	69.0	69.0	100.0	100.4	69.2	69.2	100.0	99.7		18.9			141	139	101.4	100.0
X1	5.8	5.8	100.0	90.6	69.5	69.3	100.3	101.2	69.7	69.5	100.3	100.4	19.8	20.0	99.0	100.0	141	141	100.0	100.0
Y1		3.4				67.5				70.7				19.6				156		
Z1	6.3	6.1	103.3	98.4	69.4	69.5	99.8	101.0	70.0	70.1	99.8	100.9	19.5	19.9	98.0	98.5	140	142	98.6	99.3
C2	7.1	7.1	100.0	110.9	68.8	69.0	99.7	100.1	69.4	69.6	99.7	100.0	19.5	19.8	98.5	98.5	145	142	102.1	102.8
D2	6.4	6.6	97.0	100.0	67.7	68.0	99.6	98.5	68.7	68.8	99.8	99.0	20.8	20.8	100.0	105.0	158	144	109.7	112.0
F2	6.2	6.6	93.9	96.9	70.0	69.6	100.6	101.9	70.2	69.8	100.6	101.2	20.4	20.0	102.0	103.0	136	136	100.0	96.4
H2	7.0	7.0	100.0	109.4	68.9	69.0	99.8	100.3	69.5	69.7	99.7	100.1	19.5	19.6	99.5	98.5	135	135	100.0	95.7
I2	5.9	5.6	105.4	92.2	69.4	69.5	99.8	101.0	70.0	70.1	99.8	100.9	20.7	20.2	102.5	104.5	142	141	100.7	100.7
R2	6.9	6.4	107.8	107.8	68.8	68.6	100.3	100.1	69.5	69.6	99.8	100.1	20.6	20.6	100.0	104.0	139	139	100.0	98.6
S2	7.3	7.4	98.6	114.1	68.9	69.0	99.8	100.3	69.2	69.2	100.0	99.7	18.4	18.6	98.9	92.9	146	144	101.4	103.5
T2	6.0			93.8	69.2			100.7	69.8			100.6	19.5			98.5	157			111.3
U2		6.2				68.3				69.4				20.0				145		
V2	6.4	6.5	98.5	100.0	68.5	68.7	99.7	99.7	69.5	69.6	99.8	100.1	20.2	20.6	98.0	102.0	134	136	98.5	95.0
W2	7.2	6.3	114.3	112.5	69.0	69.0	100.0	100.4	69.2	69.2	100.0	99.7	18.0	19.0	94.7	90.9	133	144	92.4	94.3
X2	6.3	5.6	112.5	98.4	67.4	67.9	99.3	98.1	68.5	69.5	98.6	98.7	18.8	18.8	101.1	94.9	143	142	100.7	101.4
Y2		5.6				68.1				69.7				22.7				130		
Z2	6.4	6.4	100.0	100.0	68.6	68.6	100.0	99.8	69.6	69.6	100.0	100.3	19.3	19.7	98.0	97.5	149	146	102.0	105.7
A3		6.6				69.0				69.6				17.9				178		
B3	5.4	6.4	84.4	84.4	69.4	69.0	100.6	101.0	71.2	70.0	101.7	102.6	20.2	21.0	96.2	102.0	136	133	102.2	96.4
C3	6.2	5.7	108.8	96.9	68.8	68.5	100.4	100.1	70.0	70.1	99.8	100.9	19.5	19.9	98.0	98.5	143	145	98.6	101.4
D3	6.4	5.7	112.3	100.0	69.0	68.9	100.1	100.4	69.2	69.1	100.1	99.7	21.8	23.0	94.8	110.1	141	139	101.4	100.0
FKBG DATA																				
CUR. AV.	6.3				68.7				69.5				19.7				142			
CUM. AV.	6.4				68.7				69.4				19.8				141			
IND. *D	98.4				100.0				100.1				99.5				100.7			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XVI

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 90 LB FOURDRINIER KRAFT LINERBOARD

JULY, 1980

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., *A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1	6.4	6.5	98.5	100.0	89.1	89.0	100.1	99.6	90.4	90.3	100.1	99.8	25.1	26.3	95.4	97.7	173	178	97.2	102.4
B1		4.0				88.4				92.0				26.3				176		
C1		5.0				87.7				90.4				27.0				162		
F1		7.7				90.2				90.4				26.2				154		
L1	7.6	7.1	107.0	118.8	89.1	89.2	99.9	99.6	89.3	89.9	99.3	98.6	24.0	24.4	98.4	93.4	176	177	99.4	104.1
M1	5.7	6.0	95.0	89.1	88.9	89.0	99.9	99.3	90.9	90.8	100.1	100.3	26.6	26.6	100.0	103.5	162	167	97.0	95.8
O1	6.7	6.4	104.7	104.7	89.5	89.1	100.4	100.0	90.6	90.4	100.2	100.0	23.5	24.1	97.5	91.4	167	165	101.2	98.8
S1		6.0				90.1				90.6				24.6				170		
X1	6.1	6.0	101.7	95.3	90.3	90.2	100.1	100.9	90.6	90.5	100.1	100.0	26.6	26.7	99.6	103.5	164	165	99.4	97.0
Z1	6.2	6.2	100.0	96.9	90.3	90.6	99.7	100.9	91.1	91.4	99.7	100.6	24.7	27.0	91.5	96.1	168	169	99.4	99.4
C2		7.0				90.3				91.0				25.8				172		
S2	7.6	7.3	104.1	118.8	89.9	89.8	100.1	100.4	90.1	90.2	99.9	99.4	24.3	24.6	98.8	94.6	181	174	104.0	107.1
V2		6.4				89.4				90.8				26.7				159		
W2	6.0	6.2	96.8	93.8	90.0	89.9	100.1	100.6	90.3	90.2	100.1	99.7	24.0	25.2	95.2	93.4	182	173	105.2	107.7
X2	6.7	6.5	103.1	104.7	88.6	89.4	99.1	99.0	89.7	90.7	98.9	99.0	24.0	24.1	99.6	93.4	167	164	101.8	98.8
Z2	6.7	6.5	103.1	104.7	90.0	89.8	100.2	100.6	91.1	91.0	100.1	100.6	26.8	26.4	101.5	104.3	164	166	98.8	97.0
C3	6.3	5.9	106.8	98.4	89.4	89.2	100.2	99.9	90.8	91.0	99.8	100.2	25.7	26.5	97.0	100.0	176	166	106.0	104.1
D3		5.9				89.9				90.2				27.4				169		
FKBG DATA																				
CUR. AV.	6.5				89.6				90.4				25.0				171			
CUM. AV.	6.4				89.5				90.6				25.7				169			
IND. *D	101.6				100.1				99.8				97.3				101.2			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XVII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 90 LB FOURDRINIER KRAFT LINERBOARD

AUGUST, 1980

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT., *A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1	6.3	6.5	96.9	98.4	88.7	89.1	99.6	99.1	90.1	90.3	99.8	99.4	25.4	26.1	97.3	99.2	179	178	100.6	105.9
B1		4.0				88.4				92.0				26.3				176		
C1	4.8	4.9	98.0	75.0	87.8	87.7	100.1	98.1	90.7	90.4	100.3	100.1	28.2	27.1	104.0	110.2	170	161	105.6	100.6
F1		7.7				90.2				90.4				26.2				154		
L1	7.1	7.2	98.6	110.9	89.6	89.2	100.4	100.1	90.3	89.8	100.6	99.7	25.0	24.4	102.4	97.6	176	178	98.9	104.1
M1	6.6	6.0	110.0	103.1	89.4	89.0	100.4	99.9	90.6	90.8	99.8	100.0	26.9	26.6	101.1	105.1	167	167	100.0	98.8
O1	6.5	6.5	100.0	101.6	90.2	89.1	101.2	100.8	91.5	90.4	101.2	101.0	24.3	24.0	101.2	94.9	156	165	94.5	92.3
S1		6.0				90.1				90.6				24.6				170		
X1	5.9	6.0	98.3	92.2	90.4	90.2	100.2	101.0	90.7	90.5	100.2	100.1	26.9	26.7	100.7	105.1	168	165	101.8	99.4
Z1	5.8	6.2	93.5	90.6	90.7	90.6	100.1	101.3	91.5	91.4	100.1	101.0	26.4	26.8	98.5	103.1	168	168	100.0	99.4
C2		7.0				90.4				91.1				25.5				172		
S2	7.5	7.4	101.4	117.2	89.8	89.8	100.0	100.3	90.1	90.2	99.9	99.4	24.2	24.6	98.4	94.5	180	175	102.8	106.5
V2		6.4				89.4				90.8				26.7				159		
W2	6.3	6.2	101.6	98.4	89.9	89.9	100.0	100.4	90.2	90.2	100.0	99.6	24.8	25.1	98.8	96.9	166	174	95.4	98.2
X2	6.3	6.5	96.9	98.4	88.6	89.3	99.2	99.0	90.0	90.6	99.3	99.3	24.9	24.0	103.8	97.3	162	165	98.2	95.8
Z2	6.1	6.6	92.4	95.3	89.6	89.8	99.8	100.1	91.2	91.0	100.2	100.7	26.5	26.5	100.0	103.5	171	166	103.0	101.2
C3	6.3	5.9	106.8	98.4	88.9	89.2	99.7	99.3	90.3	91.1	99.1	99.7	25.8	26.4	97.7	100.8	163	169	98.8	96.4
D3		5.9				89.7				90.0				27.6				168		
FKBG DATA																				
CUR. AV.	6.3				89.5				90.6				25.8				169			
CUM. AV.	6.4				89.5				90.6				25.6				169			
IND. *D	98.4				100.0				100.0				100.8				100.0			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

TABLE XVIII

AVERAGES OF ROUTINE MILL QUALITY CONTROL DATA FOR 90 LB FOURDRINIER KRAFT LINERBOARD

SEPTEMBER, 1980

	MOISTURE CONTENT, PERCENT				BASIS WT., LB / M SQ FT				ADJ. BASIS WT.,*A LB / M SQ FT				CALIPER, PT				BURSTING STRENGTH, P S I G			
	MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA				MACHINE DATA			
CODE	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C	CUR. AV.	CUM. AV.	FACT. *B	IND. *C
A1	6.8	6.4	106.2	106.2	88.9	89.0	99.9	99.3	89.9	90.3	99.6	99.2	24.6	25.9	95.0	96.1	175	178	98.3	103.6
B1	4.2	4.1	102.4	65.6	88.9	88.3	100.7	99.3	92.4	91.9	100.5	102.0	27.2	26.4	103.0	106.2	173	175	98.8	102.4
C1		4.9				87.7				90.5				27.4				162		
F1		7.7				90.2				90.4				26.2				154		
L1	7.1	7.2	98.6	110.9	89.2	89.2	100.0	99.7	89.9	89.8	100.1	99.2	24.8	24.5	101.2	96.9	175	178	98.3	103.6
M1	6.4	6.1	104.9	100.0	89.1	89.0	100.1	99.6	90.4	90.7	99.7	99.8	27.1	26.5	102.3	105.8	168	167	100.6	99.4
O1	6.5	6.5	100.0	101.6	90.2	89.2	101.1	100.8	91.5	90.5	101.1	101.0	23.9	24.0	99.6	93.4	162	164	98.8	95.8
S1		6.0				90.1				90.6				24.6				170		
X1	5.8	6.0	96.7	90.6	90.3	90.2	100.1	100.9	90.6	90.6	100.0	100.0	26.7	26.8	99.6	104.3	162	165	98.2	95.8
Z1	6.2	6.1	101.6	96.9	90.6	90.6	100.0	101.2	91.4	91.4	100.0	100.9	26.4	26.7	98.9	103.1	166	169	98.2	98.2
C2		7.1				90.4				91.1				25.3				171		
S2	7.7	7.4	104.0	120.3	89.5	89.8	99.7	100.0	89.6	90.2	99.3	98.9	23.9	24.5	97.6	93.4	170	175	97.1	100.6
V2		6.4				89.4				90.8				26.7				159		
W2	7.1	6.2	114.5	110.9	89.8	89.9	99.9	100.3	90.1	90.2	99.9	99.4	23.7	25.1	94.4	92.6	167	173	96.5	98.8
X2	6.4	6.5	98.5	100.0	88.8	89.3	99.4	99.2	90.1	90.5	99.6	99.4	24.4	24.1	101.2	95.3	162	165	98.2	95.8
Z2		6.5				89.8				91.0				26.5				166		
B3	6.0			93.8	91.1			101.8	92.9			102.5	26.3			102.7	167			98.8
C3	6.5	6.0	108.3	101.6	88.8	89.2	99.6	99.2	90.0	90.9	99.0	99.3	26.1	26.4	98.9	102.0	157	166	94.6	92.9
D3	6.3	6.0	105.0	98.4	90.2	89.6	100.7	100.8	90.5	89.9	100.7	99.9	27.8	28.9	96.2	108.6	170	167	101.8	100.6
FKBG DATA																				
CUR. AV.	6.4				89.6				90.7				25.6				167			
CUM. AV.	6.4				89.5				90.6				25.6				169			
IND. *D	100.0				100.1				100.1				100.0				98.8			

NOTE- NOTES A, B, C, AND D, ARE GIVEN IN APPENDIX.

Data submitted by the participating mills relative to conditioning and testing environments are summarized in Table XIX. The procedures used in calculating adjusted basis weight, cumulative machine averages, machine factors, machine indexes, and F.K.B.G. indexes are described in the Appendix.

It should be explained that the number of machines for which data are compiled in each table for a specified month varies for these reasons: a machine must have (a) produced at least 500 tons of the pertinent grade weight during the specified month, or (b) produced 500 tons of the pertinent grade weight during any one or more of the 12 months prior to the specified month (so that a cumulative average is available), to be included in a given table.

TABLE XIX

DATA ON CONDITIONING AND TESTING ENVIRONMENTS

JULY, AUGUST, SEPTEMBER, 1980

Code	Conditioning Environment: Are Quality Samples Conditioned Before Testing?	Procedure: Time	Temp., °F	RH, %	Testing Environment: Are Quality Samples Tested Under Controlled Conditions of Temperature & Humidity?
A1	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
B1	No	--	--	--	No
C1	No	--	--	--	No
D1	No data submitted for this quarter				
E1	No	--	--	--	Yes: 73 ± 3.5°F; 50 ± 2% RH
F1	No	--	--	--	Yes: 73 ± 5°F; 50 ± 5% RH
G1	No	--	--	--	Yes: 72 ± 3°F; 50 ± 2% RH
H1	No	--	--	--	Yes: 73 ± 3°F; 50 ± 3% RH
I1	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
J1	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
K1	No	--	--	--	No
L1	No	--	--	--	No
M1	No	--	--	--	No
N1	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
O1	No	--	--	--	Yes: 73 ± 3°F; 50 ± 3% RH
P1	No	--	--	--	Yes: 72 ± 2°F; 50 ± 2% RH
Q1	No	--	--	--	Yes: 70 ± 2°F; 50 ± 2% RH
R1	No	--	--	--	No
S1	No	--	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
T1	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
U1	No data submitted for this quarter				
V1	No	--	--	--	No
W1	No	--	--	--	Yes: 73 ± 3°F; 50 ± 1% RH
X1	No	--	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
Y1	No data submitted for this quarter				
Z1	No	--	--	--	No
A2	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
B2	No	--	--	--	No
C2	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
D2	Yes	15 Min	--	--	Yes: 73 ± 2°F; 50 ± 1% RH
E2	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
F2	No	--	--	--	Yes: 72 ± 2°F; 50 ± 2% RH
G2	No	--	--	--	No
H2	No	--	--	--	Yes: 72 ± 3°F; 50 ± 2% RH
I2	No	--	--	--	No
J2	No	--	--	--	Yes: 72 ± 2°F; 50 ± 2% RH
K2	Yes	20 Min	--	--	Yes: 72 ± 2°F; 50 ± 2% RH
L2	Yes	15 Min	--	--	Yes: 73 ± 3.5°F; 50 ± 3% RH
M2	No	--	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
N2	No	--	--	--	No
O2	Yes	10 Min	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
P2	No	--	--	--	No
Q2	No	--	--	--	Yes: 73 ± 3°F; 50 ± 2% RH
R2	No	--	--	--	Yes: 73 ± 3.5°F; 50 ± 2% RH
S2	No	--	--	--	Yes: 72 ± 2°F; 50 ± 1% RH
T2	No	--	--	--	Yes: 72 ± 2°F; 50 ± 2% RH
U2	No	--	--	--	Yes: 73 ± 3.5°F; 50 ± 2% RH
V2	No	--	--	--	Yes: 73 ± 5°F; 50 ± 5% RH
W2	No	--	--	--	Yes: 75 ± 5°F; 50 ± 5% RH
X2	No	--	--	--	No
Y2	Yes	20 Min	--	--	Yes: 72 ± 3.5°F; 50 ± 2% RH
Z2	No	--	--	--	No
A3	No	--	--	--	Yes: 72 ± 2°F; 50 ± 2% RH
B3	Yes	10 Min	--	--	Yes: 73 ± 2°F; 50 ± 2% RH
C3	No	--	--	--	No
D3	No	--	--	--	No
E3	No	--	--	--	No

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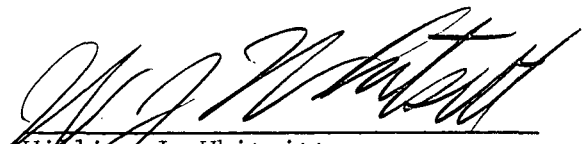

William J. Whitsitt
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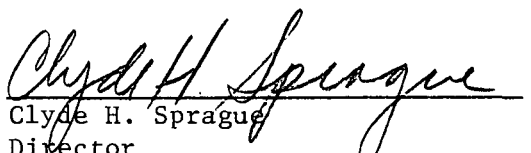
Approved by



Clyde H. Sprague
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APPENDIX

NOTES A, B, C, AND D, USED IN TABULATIONS OF MILL DATA

Notes A, B, C, and D, used in the tables of mill data are given below; these notes define the procedure used in calculating adjusted basis weight, machine factor, machine index, and F.K.B.G. index. It should be stressed that each formula is applicable only to a specific physical property of a specific grade weight of linerboard.

Note A: Adjusted basis weight (ABW) = reported weight (RBW) adjusted to moisture content of 7.8%:

$$ABW = RBW \left[\frac{(100 - \text{reported moisture content, \%})}{(100 - 7.8)}\right]$$

Note B: Machine factor (%) $= \left[\frac{\text{Current machine average}}{\text{Cumulative machine average}}\right] \cdot 100$ where

$$\text{Cumulative machine average} = \sum \frac{\text{CMA's}^{a} \text{ for previous 12 months excluding CMA for current month}}{12}$$

Note C: Machine index (%) $= \left[\frac{\text{Current machine average}}{\text{Cumulative F.K.B.G. average}}\right] \cdot 100$ where

$$\text{Cumulative F.K.B.G. average} = \sum \frac{\text{CFKBGA's}^{b} \text{ for previous 12 months excluding CFKBGA for current month}}{12}$$

Note D: F.K.B.G. index (%) $= \left[\frac{\text{Current F.K.B.G. average}}{\text{Cumulative F.K.B.G. average}}\right] \cdot 100$ where

$$\text{Current F.K.B.G. average} = \sum \frac{\text{CMA's}^{a} \text{ for current month for all machines}}{\text{Number of machines}}$$

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[a] CMA = current machine average for a specific physical property of a specific linerboard grade weight obtained during a given month on a specific machine.

[b] CFKBGA = current F.K.B.G. average for a specific physical property of a specific linerboard grade weight obtained during a given month.